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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/343,550	06/30/1999	ROBERT S. ALVIN		8070

134688 7590 01/24/2018
Devlin Law Firm
1306 North Broom Street
1ST Floor
Wilmington, DE 19806

EXAMINER

NGUYEN, CUONG H

ART UNIT	PAPER NUMBER
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3661

NOTIFICATION DATE	DELIVERY MODE
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01/24/2018

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@devlinlawfirm.com
correspondence@devlinlawfirm.com
uspto@dockettrak.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
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In re Patent No. 7,139,731 :
Robert Alvin :
Issue Date: November 21, 2006 :
Application No. 09/343,550 : ON PETITION
Filed: June 30, 1999 :
Title: MULTI-LEVEL FRAUD CHECK :
WITH DYNAMIC FEEDBACK FOR :
INTERNET BUSINESS TRANSACTION :
PROCESSOR :

This is in response to the PETITION FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. §§ 1.121, 1.182, 35 U.S.C. §119(e) filed October 11, 2017 in the above-application to add a claim of priority to provisional application No. 60/104,831 as set forth in the concurrently filed amendment. Relief is by means of issuance of a certificate of correction.

The petition under 37 CFR 1.182 is **GRANTED**.

This application was filed prior to November 29, 2000. The rules applicable to such applications are being applied in this case.

By decision mailed October 4, 2017, the initial petition was dismissed. The amendment containing the reference to the prior-filed application could not be accepted as it included an improper incorporation by reference statement. A new draft certificate of correction without the improper incorporation by reference statement was also required.

On renewed petition, petitioner has included the required reference to the prior-filed provisional application in a new amendment. This amendment is acceptable. Petitioner has also supplied an acceptable draft certificate of correction.

This application filed June 30, 1999 was filed within twelve months of provisional application No. 60/104,831 filed October 19, 1998.

Art Unit: OPET

The provisional application filing fee was paid in the prior-filed provisional application.

The petition fee for consideration of a petition under 37 CFR 1.182, pursuant to 37 CFR 1.17(f), is \$200 for a small entity. The certificate of correction fee, pursuant to 37 CFR 1.20(a), is \$100. These fees have been charged. The overpayments of \$850 and \$1700 paid for consideration of this matter under 37 CFR 1.78 will be refunded, as authorized.

This application is being referred to the Certificate of Correction branch for action consistent with this decision.

Any questions concerning this matter may be directed to the undersigned at (571) 272-3219.

/Nancy Johnson/

Nancy Johnson
Attorney Advisor
Office of Petitions

ATTACHMENT: Corrected Filing Receipt



UNITED STATES PATENT AND TRADEMARK OFFICE

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United States Patent and Trademark Office
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Table with 7 columns: APPLICATION NUMBER, FILING or 371(c) DATE, GRP ART UNIT, FIL. FEE REC'D, ATTY. DOCKET NO., TOT CLAIMS, IND CLAIMS. Row 1: 09/343,550, 06/30/1999, 3661, 419, [blank], 9, 4

134688
Devlin Law Firm
1306 North Broom Street
1ST Floor
Wilmington, DE 19806

CONFIRMATION NO. 8070
CORRECTED FILING RECEIPT



Date Mailed: 01/18/2018

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Inventor(s) ROBERT S. ALVIN, BOULDER CREEK, CA;

Applicant(s) ROBERT S. ALVIN, BOULDER CREEK, CA;

Power of Attorney: The patent practitioners associated with Customer Number 134688

Domestic Priority data as claimed by applicant
This appln claims benefit of 60/104,831 10/19/1998

Foreign Applications for which priority is claimed (You may be eligible to benefit from the Patent Prosecution Highway program at the USPTO. Please see http://www.uspto.gov for more information.) - None. Foreign application information must be provided in an Application Data Sheet in order to constitute a claim to foreign priority. See 37 CFR 1.55 and 1.76.

Permission to Access Application via Priority Document Exchange: No

Permission to Access Search Results: No

Applicant may provide or rescind an authorization for access using Form PTO/SB/39 or Form PTO/SB/69 as appropriate.

If Required, Foreign Filing License Granted: 07/22/1999
The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US 09/343,550

Projected Publication Date: None, application is not eligible for pre-grant publication

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

Preliminary Class

705

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications: No

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

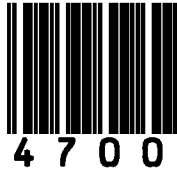
NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

Office of Petitions: Routing Sheet



Application No.

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

GRANTED

DISMISSED

DENIED

Office of Petitions: Decision Count Sheet

Mailing Month

1

Application No.

09343550



For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official:

Nancy Johnson

Count (1) - Palm Credit

09343550

Decision: GRANT

FINANCE WORK NEEDED

Select Check Box for YES



* G R A N T *

Decision Type: 520 - 37 CFR 1.182 for MATTERS NOT PROVIDED FOR



* 5 2 0 *

Notes:

Count (2)

Decision: n/a

FINANCE WORK NEEDED

Select Check Box for YES

Decision Type: NONE

Notes:

Count (3)

Decision: n/a

FINANCE WORK NEEDED

Select Check Box for YES

Decision Type: NONE

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box

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CONFIRMATION NO. 8070
CORRECTED FILING RECEIPT

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Devlin Law Firm
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Inventor(s)
ROBERT S. ALVIN, BOULDER CREEK, CA;

Applicant(s)
ROBERT S. ALVIN, BOULDER CREEK, CA;

Power of Attorney: The patent practitioners associated with Customer Number 134688

Domestic Priority data as claimed by applicant
This appln claims benefit of 60/104,831 10/19/1998

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Early Publication Request: No

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MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

Preliminary Class

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Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

SelectUSA

The United States represents the largest, most dynamic marketplace in the world and is an unparalleled location for business investment, innovation, and commercialization of new technologies. The U.S. offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to promote and facilitate business investment. SelectUSA provides information assistance to the international investor community; serves as an ombudsman for existing and potential investors; advocates on behalf of U.S. cities, states, and regions competing for global investment; and counsels U.S. economic development organizations on investment attraction best practices. To learn more about why the United States is the best country in the world to develop technology, manufacture products, deliver services, and grow your business, visit <http://www.SelectUSA.gov> or call +1-202-482-6800.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Robert S. Alvin
 Patent No. : 7,139,731
 Filed : June 30, 1999
 For : Multi-Level Fraud Check With Dynamic Feedback for Internet
 Business Transaction Processor
 Examiner : Cuong H. Nguyen
 Art Unit : 3661
 Confirmation No. : 8070

Mail Stop PETITIONS

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

**PETITION FOR CERTIFICATE OF CORRECTION PURSUANT TO
 37 C.F.R. §§ 1.121, 1.182, 35 U.S.C. § 119(e)**

The patent owner-assignee (Consolidated Transaction Processing LLC) respectfully requests that a Certificate of Correction be issued for the above-identified patent that was filed before 2000; or in the alternative, to grant an amendment for an unintentional delay in a domestic benefit claim. The correction sought is to perfect the benefit claim to the earlier U.S. provisional patent application, a correction that does not involve new matter or require reexamination and is believed allowable under 37 C.F.R. §1.121, 37 C.F.R. §1.182, 35 U.S.C. § 119(e), and/or 35 U.S.C. § 120 - or any other procedure.

On October 4, 2017, the U.S.P.T.O. responded to our previous petition, and dismissed the petition as incorrectly referring to provision 37 C.F.R. § 1.78 instead of 37 C.F.R. § 1.182. Consequently, we are hereby submitting a new petition that refers to the correct provision: 37 C.F.R. § 1.182. We have also revised the amendment and proposed Certificate of Correction to remove the statement: “which is incorporated herein by reference in its entirety[,]” as this statement is not necessary to perfecting the domestic benefit/priority claim.

We have submitted the petition fee and the certificate of correction fee. If any additional fee is required, would the Petition department kindly let us know by phone (302-449-7676).

This is time sensitive. The Commissioner is also authorized to charge any other necessary fees or to credit any overpayments to **Deposit Account No. 601918**.

Facts:

1. The U.S. provisional patent application (60/104,831, titled “Multilevel Fraud Check With Dynamic Feedback”) was filed on October 19, 1998.

2. Within nine months, the application for the above-identified patent, 7,139,731, was filed. The specification itself lacked a claim of priority to the provisional patent application. However, the Oath and Declaration filed on June 30, 1999 together with the specification did in fact make a claim of benefit to the provisional patent application (60/104,831) pursuant to 35 U.S.C. § 120. And the provisional patent application was in fact made public by the USPTO. But, the issued patent 7,139,731 does not show any related U.S. Application Data; so this is believed to be where the chain is initially broken.

3. A series of continuation patent applications were subsequently filed by different law firms and they claimed priority to the provisional patent application (60/104,831).

4. Presently, continuation patent application (14/290,954) is still pending at the USPTO; it also has a claim of priority to the provisional patent application (60/104,831). During the prosecution of this latest continuation patent application (14/290,954), the examiner used a reference that post-dates the provisional patent application (60/104,831). This triggered an investigation as to the dates and priority claim, which leads to this instant petition to perfect the claim of priority - pursuant to any of the possible patent rules and administrative procedures that may apply to a patent application filed before 2000.

Petition:

5. U.S. Patent 7,139,731 claims the benefit of the U.S. provisional patent application 60/104,831 titled “Multilevel Fraud Check with Dynamic Feedback” pursuant to 35 U.S.C. § 119.

6. The entire delay to perfect the claim of priority is both inadvertent and unintentional.

7. An amended specification for U.S. patent 7,139,731 is filed with this petition. The amendment includes a cross reference and claim of benefit to the provisional patent application (60/104,831).

The requested revision is indicated on the attached form PTO/SB/44. An amendment is also submitted. Again, if there are any missing fees, petitioner would be very grateful if the Petition department would kindly call 302-449-7676 because this is time sensitive. The Commissioner is also authorized to charge any other necessary fees or to credit any overpayments to **Deposit Account No. 601918**.

Respectfully submitted,

DEVLIN LAW FIRM LLC

Dated: October 11, 2017

By: /James Lennon/
James Lennon, Reg. No. 56,815
1306 North Broom Street,
1ST Floor
Wilmington DE 19806

CUSTOMER NO. 134688

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Robert S. Alvin
Patent No. : 7,139,731
Filed : June 30, 1999
For : Multi-Level Fraud Check With Dynamic Feedback for Internet
Business Transaction Processor
Examiner : Cuong H. Nguyen
Art Unit : 3661
Confirmation No. : 8070

Mail Stop PETITIONS
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT

Dear Commissioner:

In conjunction with the petition to perfect the benefit claim to the earlier provisional patent application, please amend the above-identified patent as follows:

Amendments to the Specification begin on page 2.

Amendments to the Specification

Please add the following new sub-heading and paragraph after the Title of the Specification (i.e. at the beginning of the Specification):

CROSS-REFERENCES TO RELATED APPLICATIONS

This application claims the benefit of U.S. Prov. No. 60/104,831, filed Oct. 19, 1998.

Petitioner respectfully requests timely grant to enter this Amendment. If there are any missing fees, petitioner would be very grateful if the Petition department would kindly call 302-449-7676 because this is time sensitive. The Commissioner is also authorized to charge any other necessary fees or to credit any overpayments to **Deposit Account No. 601918**.

Respectfully submitted,

DEVLIN LAW FIRM LLC

Dated: October 11, 2017

By: /James Lennon/
James Lennon, Reg. No. 56,815
1306 North Broom Street,
1ST Floor
Wilmington DE 19806

CUSTOMER NO. 134688

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,139,731
APPLICATION NO.: 09/343,550
ISSUE DATE : Nov. 21, 2006
INVENTOR(S) : Robert S. Alvin

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification, please add the following new sub-heading and paragraph after the Title of the Specification:

CROSS-REFERENCES TO RELATED APPLICATIONS

This application claims the benefit of U.S. Prov. No. 60/104,831, filed Oct. 19, 1998.

MAILING ADDRESS OF SENDER (Please do not use Customer Number below):

James Lennon
Devlin Law Firm LLC, 1306 North Broom Street, 1ST Floor
Wilmington, DE 19806 (phone: 302-449-7676)

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	09343550			
Filing Date:	30-Jun-1999			
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR			
First Named Inventor/Applicant Name:	ROBERT S. ALVIN			
Filer:	James Michael Lennon/Feng Xu			
Attorney Docket Number:				
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PET. DELAY SUB OR RESTORE PRIORITY-CLAIM	1454	1	1700	1700
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Certificate of correction	1811	1	100	100
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1800

Electronic Acknowledgement Receipt

EFS ID:	30627654
Application Number:	09343550
International Application Number:	
Confirmation Number:	8070
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
First Named Inventor/Applicant Name:	ROBERT S. ALVIN
Customer Number:	134688
Filer:	James Michael Lennon/Feng Xu
Filer Authorized By:	James Michael Lennon
Attorney Docket Number:	
Receipt Date:	11-OCT-2017
Filing Date:	30-JUN-1999
Time Stamp:	16:04:41
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	\$1800
RAM confirmation Number	101217INTEFSW00002849601918
Deposit Account	601918
Authorized User	Timothy Devlin

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

37 CFR 1.16 (National application filing, search, and examination fees)

37 CFR 1.17 (Patent application and reexamination processing fees)

37 CFR 1.19 (Document supply fees)
 37 CFR 1.20 (Post Issuance fees)
 37 CFR 1.21 (Miscellaneous fees and charges)

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		CC_731_patent.pdf	303386	yes	5
			3477c70c717682af72da4f2436ef34fc19e63713		
Multipart Description/PDF files in .zip description					
Document Description			Start	End	
Petition for review by the Office of Petitions			1	3	
Specification			4	5	
Warnings:					
Information:					
2	Request for Certificate of Correction	sb0044-Patent_7139731.pdf	159852	no	2
			d2876d5625b14f212e21215520294cdb7fcb923		
Warnings:					
Information:					
3	Fee Worksheet (SB06)	fee-info.pdf	32282	no	2
			682f50644579a784c67bfb2af3069af40be3029		
Warnings:					
Information:					
Total Files Size (in bytes):			495520		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 01/19/2018

CKHLOK SALE #00000004 Mailroom Dt: 10/11/2017 601918 09343550
 01 FC : 2462 200.00 DA

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 01/19/2018

CKHLOK	ADJ #00000004	Mailroom Dt: 10/11/2017		
	Seq No: 2849	Sales Acctg Dt: 10/12/2017	601918	09343550
	01 FC : 1454	1700.00	CR	
	02 FC : 1811	100.00	CR	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
09/343,550 06/30/1999 ROBERT S. ALVIN 8070

134688 7590 10/04/2017
Devlin Law Firm
1306 North Broom Street
1ST Floor
Wilmington, DE 19806

EXAMINER

NGUYEN, CUONG H

ART UNIT PAPER NUMBER

3661

NOTIFICATION DATE DELIVERY MODE

10/04/2017

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

uspto@devlinlawfirm.com
correspondence@devlinlawfirm.com
uspto@dockettrak.com



UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

In re Patent No. 7,139,731 :
Robert Alvin :
Issue Date: November 21, 2006 :
Application No. 09/343,550 : ON PETITION
Filed: June 30, 1999 :
Title: MULTI-LEVEL FRAUD CHECK :
WITH DYNAMIC FEEDBACK FOR :
INTERNET BUSINESS TRANSACTION :
PROCESSOR :

This is in response to the PETITION FOR CERTIFICATE OF CORRECTION PURSUANT TO 37 C.F.R. § 1.323, 37 C.F.R. § 1.78, 35 U.S.C. §119(e) filed May 2, 2017 in the above-application to add a claim of priority to provisional application No. 60/104,831 as set forth in the concurrently filed amendment. Relief is sought by means of issuance of a certificate of correction.

The request for certificate of correction is **DISMISSED**. As discussed below, a new amendment (or application data sheet) and draft certificate of correction are required.

This application was filed prior to November 29, 2000. Accordingly, the provisions of 37 CFR 1.78 are not applicable. This petition is considered pursuant to 37 CFR 1.182.

Receipt of the petition fee (\$200) and the certificate of correction fee (\$100) is acknowledged. The petition does not include any authorization to refund any overpayments. Petitioner may include such authorization with any response to this decision, or separately file a request for refund with a copy of this decision.

Petitioner has included the required reference to the prior-filed provisional application in an amendment.

Art Unit: OPET

By hand: Customer Service Window
Mail Stop Petitions
Randolph Building
401 Dulany Street
Alexandria, VA 22314

By fax: (571) 273-8300
ATTN: Office of Petitions

By Internet: EFS-Web¹

Any questions concerning this matter may be directed to the undersigned at (571) 272-3219.

/Nancy Johnson/

Nancy Johnson
Attorney Advisor
Office of Petitions

¹ www.uspto.gov (for help using EFS-Web call the Patent Electronic Business Center at (866) 217-9197)

Office of Petitions: Decision Count Sheet

Mailing Month

10

Application No.

09343550



For US serial numbers: enter number only, no slashes or commas. Ex: 10123456

For PCT: enter "51+single digit of year of filing+last 5 numbers", Ex. for PCT/US05/12345, enter 51512345

Deciding Official:

Nancy Johnson

Count (1) - Palm Credit

09343550

Decision:

DISMISSED

FINANCE WORK NEEDED

Select Check Box for YES



Decision Type:

520 - 37 CFR 1.182 for MATTERS NOT PROVIDED FOR



Notes:

Count (2)

Decision:

n/a

FINANCE WORK NEEDED

Select Check Box for YES

Decision Type:

NONE

Notes:

Count (3)

Decision:

n/a

FINANCE WORK NEEDED

Select Check Box for YES

Decision Type:

NONE

Notes:

Initials of Approving Official (if required)

If more than 3 decisions, attach 2nd count sheet & mark this box

Printed on: 10/1/2017

Office of Petitions: Routing Sheet



Application No.

This application is being forwarded to your office for further processing. A decision has been rendered on a petition filed in this application, as indicated below. For details of this decision, please see the document PET.OP.DEC filed on the same date as this document.

GRANTED

DISMISSED

DENIED



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/343,550	06/30/1999	ROBERT S. ALVIN	

134688
Devlin Law Firm
1306 North Broom Street
1ST Floor
Wilmington, DE 19806

CONFIRMATION NO. 8070
POA ACCEPTANCE LETTER



Date Mailed: 05/16/2017

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/10/2017.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/deelliott/



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/343,550	06/30/1999	ROBERT S. ALVIN	HSI-006

CONFIRMATION NO. 8070

POWER OF ATTORNEY NOTICE



134668
Dority & Manning, P.A. and Scientific Games
International, Inc.
P.O. Box 1449
Greenville, SC 29602-1449

Date Mailed: 05/16/2017

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 05/10/2017.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

Questions about the contents of this notice and the requirements it sets forth should be directed to the Office of Data Management, Application Assistance Unit, at (571) 272-4000 or (571) 272-4200 or 1-888-786-0101.

/deelliott/

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**CHANGE OF
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 Patent**

Address to:
 Mail Stop Post Issue
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Patent Number	7139731
Issue Date	November 21, 2006
Application Number	09/343550
Filing Date	June 30, 1999
First Named Inventor	Alvin, Robert S.
Attorney Docket Number	HSI-006

Please change the Correspondence Address for the above-identified patent to:

The address associated with Customer Number:

OR

Firm or Individual Name

Address

City

State

ZIP

Country

Telephone

Email

This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

This form will not affect any "fee address" provided for the above-identified patent. To change a "fee address" use the "Fee Address Indication Form" (PTO/SB/47).

I am the:

- Patentee.
- Assignee of record of the entire interest. See 37 CFR 3.71.
 Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- Attorney or agent of record. Registration Number _____

Signature

Typed or Printed Name Erik Stameli (CEO of Consolidated Transaction Processing LLC)

Date May 3, 2017

Telephone 302-449-9010

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Post Issue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
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Under the Paperwork Reduction Act of 1995; no persons are required to respond to a collection of information unless it displays a valid OMB control number

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Consolidated Transaction Processing LLC

Application No./Patent No.: 7139731 Filed/Issue Date: June 30, 1999

Titled: Multi-level fraud check with dynamic feedback for internet business transaction processor

Consolidated Transaction Processing LLC, a corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of the entire right, title, and interest in;
- 2. an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is _____ %); or
- 3. the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)

the patent application/patent identified above, by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet(s).

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

May 8, 2017

Date

Erik Stamell

CEO

Printed or Typed Name

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
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Electronic Acknowledgement Receipt

EFS ID:	29168820
Application Number:	09343550
International Application Number:	
Confirmation Number:	8070
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
First Named Inventor/Applicant Name:	ROBERT S. ALVIN
Customer Number:	134668
Filer:	DOLLY Y. WU
Filer Authorized By:	
Attorney Docket Number:	HSI-006
Receipt Date:	10-MAY-2017
Filing Date:	30-JUN-1999
Time Stamp:	12:40:13
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
------------------------	----

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	changeaddress731.pdf	163623 dc1022ab7c3d3118075fcc59dd1b1a99f179d69c	no	2

Warnings:

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Information:					
2	Change of Address	correspondencechange731insert.pdf	177712 a36080c95ce5d80913665c5a5ff5ab29d7eead3f	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			341335		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

Under the Paperwork Reduction Act of 1995 no person is required to respond to a collection of information unless it displays a valid OMB control number.

**PATENT - POWER OF ATTORNEY
OR
REVOCATION OF POWER OF ATTORNEY
WITH A NEW POWER OF ATTORNEY
AND
CHANGE OF CORRESPONDENCE ADDRESS**

Patent Number	7139731
Issue Date	November 21, 2006
First Named Inventor	Alvin, Robert S.
Title	Multi-level fraud check with dynamic feedback for internet business transaction processor
Attorney Docket No.	HSI-006

I hereby revoke all previous powers of attorney given in the above-identified patent.

 A Power of Attorney is submitted herewith.OR
 I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

134688

OR
 I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

Practitioner(s) Name	Registration Number

Please recognize or change the correspondence address for the above-identified patent to:

 The address associated with the above-identified Customer Number,

OR

 The address associated with the Customer Number identified in the box at right:

OR

 Firm or
Individual Name

Address

City

State

Zip

Country

Telephone

Email

I am the:

 Applicant.

OR

 Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on May 10, 2017 PTO/SB/96

SIGNATURE of Applicant or Patent Owner

Signature

Name

Erik Starnell

Date

May 10, 2017

Title and Company

CEO, Consolidated Transactions Processing LLC

Telephone

302-449-9010

NOTE: Signatures of all the applicants or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below.

 A total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32, and 1.33. The information is required to obtain or retain a benefit by the public, which is to update (and by the USPTO to process) the file of a patent or reexamination proceeding. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
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9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	29175664
Application Number:	09343550
International Application Number:	
Confirmation Number:	8070
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
First Named Inventor/Applicant Name:	ROBERT S. ALVIN
Customer Number:	134668
Filer:	DOLLY Y. WU
Filer Authorized By:	
Attorney Docket Number:	HSI-006
Receipt Date:	10-MAY-2017
Filing Date:	30-JUN-1999
Time Stamp:	17:26:17
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Power of Attorney	POA731patent.pdf	163693 <small>75e6a0b16c35cd8a6c1b64dbb65c3e6b789be353</small>	no	2

Warnings:

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Information:**Total Files Size (in bytes):**

163693

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**CHANGE OF
 CORRESPONDENCE ADDRESS
 Patent**

Address to:
 Mail Stop Post Issue
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Patent Number	7139731
Issue Date	November 21, 2006
Application Number	09/343550
Filing Date	June 30, 1999
First Named Inventor	Alvin, Robert S.
Attorney Docket Number	HSI-006

Please change the Correspondence Address for the above-identified patent to:

The address associated with Customer Number:

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Firm or Individual Name

Address

City

State

ZIP

Country

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This form cannot be used to change the data associated with a Customer Number. To change the data associated with an existing Customer Number use "Request for Customer Number Data Change" (PTO/SB/124).

This form will not affect any "fee address" provided for the above-identified patent. To change a "fee address" use the "Fee Address Indication Form" (PTO/SB/47).

I am the:

- Patentee.
- Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).
- Attorney or agent of record. Registration Number _____

Signature

Typed or Printed Name Erik Stameli (CEO of Consolidated Transaction Processing LLC)

Date May 3, 2017

Telephone 302-449-9010

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Post Issue, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Acknowledgement Receipt

EFS ID:	29100960
Application Number:	09343550
International Application Number:	
Confirmation Number:	8070
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
First Named Inventor/Applicant Name:	ROBERT S. ALVIN
Correspondence Address:	Swernofsky Law Group PC - P.O. Box 390013 - Mountain View CA 94039-0013 US 650-947-0700 -
Filer:	DOLLY Y. WU
Filer Authorized By:	
Attorney Docket Number:	HSI-006
Receipt Date:	03-MAY-2017
Filing Date:	30-JUN-1999
Time Stamp:	11:10:21
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Change of Address	CTPpat7x.pdf	163623 dc1022ab7c3d3118075fcc59dd1b1a99f179d69c	no	2

Warnings:

Information:

Total Files Size (in bytes):

163623

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,139,731 : Confirmation Number: 8070
Inventor: Robert S. Alvin : Group Art Unit: 2165 and 3625
Filed: June 30, 1999 : Examiner: Cuong H. Nguyen
For: Multi-level Fraud Check with Dynamic Feedback for Internet Commerce

PETITION FOR CERTIFICATE OF CORRECTION
PURSUANT TO 37 C.F.R. § 1.323, 37 C.F.R. § 1.78, 35 U.S.C. § 119(e)

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Madam or Sir:

The patent owner-assignee (Consolidated Transaction Processing LLC) respectfully requests that a Certificate of Correction be issued for the above-identified patent that was filed before 2000; or in the alternative, to grant an amendment for an unintentional delay in a domestic benefit claim. The correction sought is to perfect the benefit claim to the earlier U.S. provisional patent application, a correction that does not involve new matter or require reexamination and is believed allowable under 37 C.F.R. §1.323, 37 C.F.R. §1.78, 35 U.S.C. § 119(e), and/or 35 U.S.C. § 120 – or any other procedure. The Patent Legal branch of the U.S.P.T.O. directed us to the certificate of correction procedures related to §§ 119 and 120; we added 37 C.F.R. §1.78 that accompanies §1.20. We have submitted the petition fee, amendment fee and certificate of correction fee. If any additional fee is required, would the Petition department kindly let us know by phone (323-605-4773). This is time sensitive.

Facts:

1. The U.S. provisional patent application (60/104831, titled “Multilevel Fraud Check

with Dynamic Feedback”) was filed on October 19, 1998.

2. Within nine months, the application for the above identified patent, 7,139,731, was filed. The specification itself lacked a claim of priority to the provisional patent application. However, the Oath and Declaration filed on June 30, 1999 together with the specification did in fact make a claim of benefit to the provisional patent application (60/104831) pursuant to 35 U.S.C. § 120. And the provisional patent application was in fact made public by the USPTO. But, the issued patent 7,139,731 does not show any related U.S. Application Data; so this is believed to be where the chain is initially broken.
3. A series of continuation patent applications were subsequently filed by different law firms and they claimed priority to the provisional patent application (60/104831).
4. Presently, continuation patent application (14/290,954) is still pending at the USPTO; it also has a claim of priority to the provisional patent application (60/104831). During the prosecution of this latest continuation patent application (14/290,954), the examiner used a reference that post-dates the provisional patent application (60/104831). This triggered an investigation as to the dates and priority claim, which leads to this instant petition to perfect the claim of priority – pursuant to any of the possible patent rules and administrative procedures that may apply to a patent application filed before 2000.

Petition:

5. U.S. Patent 7,139,731 claims the benefit of the U.S. provisional patent application 14/290,954 titled “Multilevel Fraud Check with Dynamic Feedback” pursuant to 35 U.S.C. § 119.
6. The entire delay to perfect the claim of priority is both inadvertent and unintentional.
7. An amended specification for U.S. patent 7,139,731 is filed with this petition. The amendment includes a cross reference and claim of benefit to the provisional patent application (60/104831).

The requested revision is indicated on the attached form PTO/SB/44, submitted in duplicate. An amendment is also submitted. Again, if there are any missing fees, petitioner would be very grateful if the Petition department would kindly call 323-605-4773 because this is time sensitive.

Respectfully submitted,

/Dolly Wu/

Date: April 29, 2017

Dolly Wu
Registration No. 59192
Attorney for the Assignee of U.S. Pat. No. 7139731
Devlin Law Firm
323-605-4773

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 7,139,731 : Confirmation Number: 8070
Inventor: Robert S. Alvin : Group Art Unit: 2165 and 3625
Filed: June 30, 1999 : Examiner: Cuong H. Nguyen
For: Multi-level Fraud Check with Dynamic Feedback for Internet Commerce

AMENDMENT

Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

In conjunction with the petition to perfect the benefit claim to the earlier provisional patent application, please amend the above-identified patent as follows:

Amendments to the Specification begin on page 2.

Amendments to the Specification:

Please add the following new sub-heading and paragraph after the Title of the Specification (i.e. at the beginning of the Specification):

CROSS-REFERENCES TO RELATED APPLICATIONS

This application claims the benefit of U.S. Prov. No. 60/104,831, filed Oct. 19, 1998, which is incorporated herein by reference in its entirety.

Petitioner respectfully requests timely grant to enter this Amendment. If there are any missing fees, petitioner would be very grateful if the Petition department would kindly call 323-605-4773 because this is time sensitive.

Respectfully submitted,

/Dolly Wu/

Date: April 29, 2017

Dolly Wu

Registration No. 59192

Attorney for the Assignee of U.S. Pat. No. 7139731

Devlin Law Firm

323-605-4773

UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,139,731
APPLICATION NO.: 14/223,024
ISSUE DATE : February 17, 2015
INVENTOR(S) : Robert S. Alvin

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Specification, please add the following new sub-heading and paragraph after the Title of the Specification:

CROSS-REFERENCES TO RELATED APPLICATIONS

This application claims the benefit of U.S. Prov. No. 60/104,831, filed Oct. 19, 1998, which is incorporated herein by reference in its entirety.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Dolly Wu

Devlin Law Firm, 1306 N. Broom St. Suite 1, Wilmington, DE 19806 (phone: 302-605-4773)

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,139,731
APPLICATION NO.: 14/223,024
ISSUE DATE : February 17, 2015
INVENTOR(S) : Robert S. Alvin

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In the Specification, please add the following new sub-heading and paragraph after the Title of the Specification:

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This application claims the benefit of U.S. Prov. No. 60/104,831, filed Oct. 19, 1998, which is incorporated herein by reference in its entirety.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Dolly Wu

Devlin Law Firm, 1306 N. Broom St. Suite 1, Wilmington, DE 19806 (phone: 302-605-4773)

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
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3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
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5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

Electronic Patent Application Fee Transmittal

Application Number:	09343550			
Filing Date:	30-Jun-1999			
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR			
First Named Inventor/Applicant Name:	ROBERT S. ALVIN			
Filer:	DOLLY Y. WU			
Attorney Docket Number:	HSI-006			
Filed as Small Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
PET. DELAY SUB OR RESTORE PRIORITY-CLAIM	2454	1	850	850
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
CERTIFICATE OF CORRECTION	2811	1	100	100
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				950

Electronic Acknowledgement Receipt

EFS ID:	29098500
Application Number:	09343550
International Application Number:	
Confirmation Number:	8070
Title of Invention:	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
First Named Inventor/Applicant Name:	ROBERT S. ALVIN
Correspondence Address:	Swernofsky Law Group PC - P.O. Box 390013 - Mountain View CA 94039-0013 US 650-947-0700 -
Filer:	DOLLY Y. WU
Filer Authorized By:	
Attorney Docket Number:	HSI-006
Receipt Date:	02-MAY-2017
Filing Date:	30-JUN-1999
Time Stamp:	21:57:01
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$950

RAM confirmation Number	050317INTEFSW21595500
Deposit Account	
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Electronic Record Correction	PetitionCertifCorrectionPat7139731.pdf	41823 41b3cbe56986f597cb8e52c4eb627d7e066e0319	no	3
Warnings:					
Information:					
2	Electronic Record Correction	PetitionAMENDMENTPat7139731.pdf	17339 3a8ed7c15bd07f04a73e149c7fc61428fd93420b	no	2
Warnings:					
Information:					
3	Electronic Record Correction	sb0044certifofcorrection.pdf	203279 7b8cd0b4325564b0284be043d4c8b71841a21199	no	2
Warnings:					
Information:					
4	Electronic Record Correction	sb0044certifcorrectionduplicate.pdf	203279 7b8cd0b4325564b0284be043d4c8b71841a21199	no	2
Warnings:					
Information:					
5	Fee Worksheet (SB06)	fee-info.pdf	31935 37ec0eb4af2f36cc4101203fa89fe33319fdf18d	no	2

Warnings:

Information:

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

Document code: WFEE

United States Patent and Trademark Office
Sales Receipt for Accounting Date: 01/19/2018

CKHLOK ADJ #00000005 Mailroom Dt: 05/02/2017
Seq No: 6420 Sales Acctg Dt: 05/03/2017 09343550
01 FC : 2454 -850.00 OP



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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/343,550	11/21/2006	7139731	HSI-006	8070

7590 11/01/2006
Swernofsky Law Group PC
P.O. Box 390013
Mountain View, CA 94039-0013

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Extension under 35 U.S.C. 154 (b) (application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

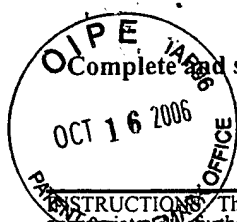
Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

APPLICANT(s) (up to 18 names are included below, see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

ROBERT S. ALVIN, BOULDER CREEK, CA;

PART B - FEE(S) TRANSMITTAL



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 Alexandria, Virginia 22313-1450
 or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. Further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

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7590 08/29/2006

RONALD P. KANANEN
 RADER, FISHMAN & GRAUER
 SUITE 501
 1233 20TH STREET, N.W.
 WASHINGTON, DC 20036

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<i>DM S TOLCV</i>	(Depositor's name)
<i>[Signature]</i>	(Signature)
<i>10/11/2006</i>	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/343,550	06/30/1999	ROBERT S. ALVIN	HSI-006	8070

TITLE OF INVENTION: MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$0	\$0	\$700	11/29/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, CUONG H	3661	705-035000

10/17/2006 CCHAU2	00000051 09343550
01 FC:2501	700.00 OP
02 FC:8001	9.00 OP

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, Swernofsky Law Group PC
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2
3

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)
 PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.
 (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): Individual Corporation or other private group entity Government

4a. The following fee(s) are submitted:
 Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies Three (3)

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)
 A check is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number 50-0365 (enclose an extra copy of this form).

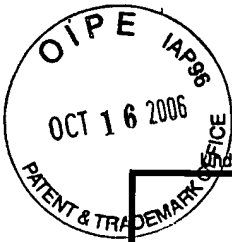
5. Change in Entity Status (from status indicated above)
 a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature SASwernofsky Date Oct. 11, 2006
 Typed or printed name STEVEN SWERNOFSKY Registration No. 33,040

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/343,550	
	Filing Date	Jun 30, 1999	
	First Named Inventor	Alvin, Robert S.	
	Art Unit	3661	
Total Number of Pages in This Submission	7	Attorney Docket Number	269.1003.01
		Examiner Name	Nguyen, C.

ENCLOSURES <i>(check all that apply)</i>		
<input checked="" type="checkbox"/> Fee Transmittal Form (2 copies) <input checked="" type="checkbox"/> Fee Attached (Check #1911 \$709.00 dated 9/28/06) <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Part B – Fee(s) Transmittal (2 copies) Transmittal of Issue Fee Letter Return Postcard
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual name	Steven A. Swernofsky	Reg. No. 33,040
Signature	<i>SA Swernofsky</i>	
Date	OCT. 11, 2006	

CERTIFICATE OF TRANSMISSION/MAILING			
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Type or printed name	<i>DORF STOLW</i>		
Signature	<i>[Signature]</i>	Date	<i>10/11/2006</i>

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Alvin, Robert S.
 Serial No. 09/343,550
 Filed: 6/30/1999
 For: Multi-level Fraud Check with
 Dynamic Feedback for Internet
 Business Transaction Processor

Art Unit: 3661
 Examiner: Nguyen, C.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail, in an envelope addressed to:

Commissioner for Patents
MAIL STOP ISSUE FEE
Alexandria, VA 22313-1450

on 10/11/2006 by [Signature]
Date Name

TRANSMITTAL OF ISSUE FEE

Honorable Commissioner
for Patents
MAIL STOP ISSUE FEE
Alexandria, VA 22313-1450

Dear Sir:

With respect to the above-identified patent application, enclosed herewith for filing are the following:

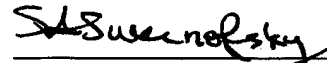
1. Part B —Fee(s) Transmittal (2 copies);
2. Fee Transmittal Form SB/17 (2 copies); and
3. Check in the amount of \$709.00 for payment of the Issue Fee

(\$700.00) and

for three (3) copies of the printed patent (\$9.00).

Respectfully submitted,

Dated: Oct. 11, 2006



Steven A. Swernofsky
Reg. No. 33,040

Swernofsky Law Group
P.O. Box 390013
Mountain View, CA 94039-0013
(650) 947-0700



22883

PTO/SB/17 (10-03)
 Approved for use through 07/31/2006. OMB 0651-0032
 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2004		<i>Effective 10/01/2003. Patent fees are subject to annual revision.</i>	
<input checked="" type="checkbox"/> Applicant Claims small entity status. See 37 CFR 1.27		Complete if Known	
TOTAL AMOUNT OF PAYMENT (\$) 709.00		Application Number	09/343,550
		Filing Date	6/30/1999
		First Named Inventor	Alvin, Robert S.
		Examiner Name	Nguyen, C.
		Art Unit	3661
		Attorney Docket No.	269.1003.01

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account

Deposit Account Number: 50-0365

Deposit Account Name: Swernofsky Law Group PC

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

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FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1,500	2453	750	Petition to revive - unintentional	
1501	1,400	2501	700	Utility issue fee (or reissue)	\$700.00
1502	800	2502	400	Design issue fee	
1503	1,100	2503	550	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) 8001 Patent Copies (3)					\$9.00
*Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$) 709.00

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	200	2005	100	Provisional filing fee	
SUBTOTAL (1)					(\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims Independent Claims: -20**= X =

-3**= X =

Multiple Dependent: =

Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1202	50	2202	25	Claims in excess of 20	
1201	200	2201	100	Independent claims in excess of 3	
1203	360	2203	180	Multiple dependent claim, if not paid	
1204	200	2204	100	**Reissue independent claims over original patent	
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)					(\$) 0.00

** or number previously paid, if greater; For Reissues, see above

SUBMITTED BY				Complete (if applicable)	
Name (Print/Type)	Steven A. Swernofsky	Registration No. (Attorney/Agent)	33,040	Telephone	650-947-0700
Signature	<i>SA Swernofsky</i>			Date	Oct. 11, 2006

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 P.O. Box 1450
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 www.uspto.gov

BIBDATASHEET

CONFIRMATION NO. 8070

Bib Data Sheet

SERIAL NUMBER 09/343,550	FILING OR 371(c) DATE 06/30/1999 RULE	CLASS 705	GROUP ART UNIT 3661	ATTORNEY DOCKET NO. HSI-006
------------------------------------	-----------------------------------------------------------	---------------------	-------------------------------	---------------------------------------

APPLICANTS
 ROBERT S. ALVIN, BOULDER CREEK, CA;

**** CONTINUING DATA *******

**** FOREIGN APPLICATIONS *******

IF REQUIRED, FOREIGN FILING LICENSE GRANTED SMALL ENTITY ****
**** 07/22/1999**

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY CA	SHEETS DRAWING 5	TOTAL CLAIMS 9	INDEPENDENT CLAIMS 4
35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance				
Verified and Acknowledged	Examiner's Signature _____	Initials _____		

ADDRESS
 Swernofsky Law Group PC
 P.O. Box 390013
 Mountain View, CA94039-0013

TITLE
 MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

FILING FEE RECEIVED 419	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)
		<input type="checkbox"/> Other _____
		<input type="checkbox"/> Credit



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/343,550	06/30/1999	ROBERT S. ALVIN	HSI-006

Swernofsky Law Group PC
P.O. Box 390013
Mountain View, CA 94039-0013

CONFIRMATION NO. 8070
OC000000020647813
OC000000020647813

Date Mailed: 09/29/2006

NOTICE OF ACCEPTANCE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/27/2006.

The Power of Attorney in this application is accepted. Correspondence in this application will be mailed to the above address as provided by 37 CFR 1.33.

Marquita Moore
FOR MARQUITA MOORE
PATDACAP (571) 272-4200

OFFICE COPY



UNITED STATES PATENT AND TRADEMARK OFFICE

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www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/343,550	06/30/1999	ROBERT S. ALVIN	HSI-006

RONALD P. KANANEN
RADER, FISHMAN & GRAUER
SUITE 501
1233 20TH STREET, N.W.
WASHINGTON, DC 20036

CONFIRMATION NO. 8070
OC000000020647722
OC000000020647722

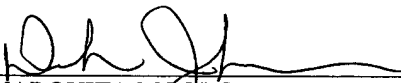
Date Mailed: 09/29/2006

NOTICE REGARDING CHANGE OF POWER OF ATTORNEY

This is in response to the Power of Attorney filed 09/27/2006.

- The Power of Attorney to you in this application has been revoked by the assignee who has intervened as provided by 37 CFR 3.71. Future correspondence will be mailed to the new address of record(37 CFR 1.33).

FSL


MARQUITA MOORE
PATDACAP (571) 272-4200

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SEP 27 2006

PTO/SB/21 (09-03)

Approved for use through 03/31/2007. OMB 0551-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM	Application Number	09/343,550
	Filing Date	6/30/1999
	First Named Inventor	R. Alvin
	Art Unit	3625
	Examiner Name	C. Nguyen
(to be used for all correspondence after initial filing)		
Total Number of Pages in This Submission	3	Attorney Docket Number 269.1003.01

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Remarks	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Mount Hamilton Partners, LLC	
Signature	<i>Rakesh Ramde</i>	
Printed name	Rakesh Ramde	
Date	Sept. 27, 2006	Reg. No.

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature	<i>Hannah Tran</i>	
Typed or printed name	Hannah Tran	Date 9/27/06

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP 27 2006

PTO/SB/82 (01-06)

Approved for use through 12/31/2008. OMB 0651-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

REVOCAION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Application Number	09/343,550
	Filing Date	6/30/1999
	First Named Inventor	R. Alvin
	Art Unit	3625
	Examiner Name	C. Nguyen
	Attorney Docket Number	269.1003.01

I hereby revoke all previous powers of attorney given in the above-identified application.

A Power of Attorney is submitted herewith.

OR

I hereby appoint the practitioners associated with the Customer Number: 22,883

Please change the correspondence address for the above-identified application to:

The address associated with Customer Number:

OR

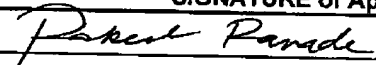
<input checked="" type="checkbox"/> Firm or Individual Name	Swernofsky Law Group PC		
Address	P.O. Box 390013		
City	Mountain View	State	CA
Country	US	Zip	94039-0013
Telephone	(650) 947 0700	Email	

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Signature			
Name	Rakesh Ramde		
Date	Sept. 27, 2006	Telephone	650 969 8300

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of _____ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

SEP 27 2006

PTO/SB/06 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Robert Alvin

Application No./Patent No.: 09/343,550 Filed/Issue Date: 6/30/1999

Entitled: Multi-level fraud check with dynamic feedback for internet business transaction processor

Mount Hamilton Partners, LLC, a limited liability company
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

- 1. the assignee of the entire right, title, and interest; or
- 2. an assignee of less than the entire right, title and interest
(The extent (by percentage) of its ownership interest is _____ %)

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

- 1. From: Robert Alvin To: HardwareStreet.com, Inc
The document was recorded in the United States Patent and Trademark Office at Reel 010074, Frame 0838, or for which a copy thereof is attached.
- 2. From: HardwareStreet.com To: Innovation Management Sciences
The document was recorded in the United States Patent and Trademark Office at Reel 016078, Frame 0559, or for which a copy thereof is attached.
- 3. From: Innovation Management Sciences To: Mount Hamilton Partners, LLC
The document was recorded in the United States Patent and Trademark Office at Reel 018310, Frame 0095, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

<u>Rakesh Ramde</u>	<u>9-27-2006</u>
Signature	Date
<u>Rakesh Ramde</u>	<u>650 969 8300</u>
Printed or Typed Name	Telephone Number
<u>PRESIDENT</u>	
Title	

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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UNITED STATES DEPARTMENT OF COMMERCE
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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 08/29/2006

RONALD P. KANANEN
RADER, FISHMAN & GRAUER
SUITE 501
1233 20TH STREET, N.W.
WASHINGTON, DC 20036

EXAMINER

NGUYEN, CUONG H

ART UNIT PAPER NUMBER

3661

DATE MAILED: 08/29/2006

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.

09/343,550

06/30/1999

ROBERT S. ALVIN

HSI-006

8070

TITLE OF INVENTION: MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

Table with 7 columns: APPLN. TYPE, SMALL ENTITY, ISSUE FEE DUE, PUBLICATION FEE DUE, PREV. PAID ISSUE FEE, TOTAL FEE(S) DUE, DATE DUE

nonprovisional

YES

\$700

\$0

\$0

\$700

11/29/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

**Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 or Fax (571)-273-2885**

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

7590 08/29/2006

**RONALD P. KANANEN
 RADER, FISHMAN & GRAUER
 SUITE 501
 1233 20TH STREET, N.W.
 WASHINGTON, DC 20036**

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/343,550	06/30/1999	ROBERT S. ALVIN	HSI-006	8070

TITLE OF INVENTION: MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$700	\$0	\$0	\$700	11/29/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGUYEN, CUONG H	3661	705-035000

<p>1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).</p> <p><input type="checkbox"/> Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.</p> <p><input type="checkbox"/> "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.</p>	<p>2. For printing on the patent front page, list</p> <p>(1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____</p> <p>(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____</p> <p>3 _____</p>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE _____ (B) RESIDENCE: (CITY and STATE OR COUNTRY) _____

Please check the appropriate assignee category or categories (will not be printed on the patent) : Individual Corporation or other private group entity Government

<p>4a. The following fee(s) are submitted:</p> <p><input type="checkbox"/> Issue Fee</p> <p><input type="checkbox"/> Publication Fee (No small entity discount permitted)</p> <p><input type="checkbox"/> Advance Order - # of Copies _____</p>	<p>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</p> <p><input type="checkbox"/> A check is enclosed.</p> <p><input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.</p> <p><input type="checkbox"/> The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____ Date _____

Typed or printed name _____ Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
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Alexandria, Virginia 22313-1450
www.uspto.gov

Table with 5 columns: APPLICATION NO., FILING DATE, FIRST NAMED INVENTOR, ATTORNEY DOCKET NO., CONFIRMATION NO.
09/343,550 06/30/1999 ROBERT S. ALVIN HSI-006 8070

7590 08/29/2006
RONALD P. KANANEN
RADER, FISHMAN & GRAUER
SUITE 501
1233 20TH STREET, N.W.
WASHINGTON, DC 20036

EXAMINER

NGUYEN, CUONG H

ART UNIT PAPER NUMBER

3661

DATE MAILED: 08/29/2006

Determination of Patent Term Extension under 35 U.S.C. 154 (b)
(application filed after June 7, 1995 but prior to May 29, 2000)

The Patent Term Extension is 0 day(s). Any patent to issue from the above-identified application will include an indication of the 0 day extension on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Extension is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No. 09/343,550	Applicant(s) ALVIN, ROBERT S.	
Examiner CUONG H. NGUYEN	Art Unit 3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. This communication is responsive to 1/03/06 (affidavit).
- 2. The allowed claim(s) is/are 1-5.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some* c) None of the:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

- 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- 2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
- 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application (PTO-152)
- 6. Interview Summary (PTO-413), Paper No./Mail Date _____
- 7. Examiner's Amendment/Comment
- 8. Examiner's Statement of Reasons for Allowance
- 9. Other _____

CUONG H. NGUYEN
Primary Examiner
Art Unit: 3661

DETAILED ACTION

1. This Office Action is the answer to the amendment received on 1/03/06.

Status of the claims

2. Claims 1-9 are pending. Claims 6-9 are cancelled by this amendment.

Drawings

3. Formal drawings were acceptable by the examiner on 1/03/06.

Allowable Subject Matter & Reasons for Allowance

4. The independent claim 1 is patentable distinct over closest references of Norris (US Pat. 5,870,721), and Norris (US Pat. 5,940,811) because these references do not expressly teach a transaction processor for facilitating a retail sale of selected product directly from an online distributor, comprising:

- a commercial authorization service for generating a fraud score of the orders accepted by the fraud checker, and a comparator for comparing said fraud score with a predetermined threshold to determine if the purchase order should be accepted or rejected.

5. The independent claim 4 is patentable distinct over closest references of Norris (US Pat. 5,870,721), and Norris (US Pat. 5,940,811) because these references do not expressly teach an Internet-centric transaction method for facilitating retail sale of selected product directly from a distributor, comprising:

- performing a gross fraud check on accepted orders to generate a fraud score, and comparing the fraud score with a predetermined threshold to either accept or reject said purchase order.

6. Claims 2-3, and 5 are allowed because they are dependent claims of the allowable, independent claims 1, and 4.

Conclusion

7. Claims 1-5 are patentable.


Serial No. 09/343,550

Art Unit 3661

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CUONG H. NGUYEN whose telephone number is 571-272-6759. The examiner can normally be reached on 9:30 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THOMAS G. BLACK can be reached on 571-272-6956. The Rightfax number for the organization where this application is assigned is 571-273-6956.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


CUONG H. NGUYEN
Primary Examiner
Art Unit 3661

Notice of References Cited	Application/Control No. 09/343,550	Applicant(s)/Patent Under Reexamination ALVIN, ROBERT S.	
	Examiner CUONG H. NGUYEN	Art Unit 3661	Page 1 of 4

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
*	A	US-6,460,020	10-2002	Pool et al.	705/26
*	B	US-6,336,098	01-2002	Fortenberry et al.	705/14
*	C	US-6,253,027	06-2001	Weber et al.	380/287
*	D	US-6,178,409	01-2001	Weber et al.	705/79
*	E	US-6,163,771	12-2000	Walker et al.	705/18
*	F	US-6,122,624	09-2000	Tetro et al.	705/44
*	G	US-6,119,105	09-2000	Williams, Humphrey	705/39
*	H	US-6,105,010	08-2000	Musgrave, Clyde	705/44
*	I	US-6,072,870	06-2000	Nguyen et al.	705/79
*	J	US-6,041,315	03-2000	Pollin, Robert E.	705/45
*	K	US-6,029,154	02-2000	Pettitt, John Philip	705/44
*	L	US-6,026,379	02-2000	Haller et al.	705/34
*	M	US-6,002,767	12-1999	Kramer, Glenn A.	705/79

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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	T				

NON-PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)				
	U				
	V				
	W				
	X				

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 09/343,550	Applicant(s)/Patent Under Reexamination ALVIN, ROBERT S.	
	Examiner CUONG H. NGUYEN	Art Unit 3661	Page 2 of 4

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
*	A	US-5,987,132	11-1999	Rowney, Kevin T. B.	705/77
*	B	US-5,983,208	11-1999	Haller et al.	705/40
*	C	US-5,982,891	11-1999	Ginter et al.	705/54
*	D	US-5,966,698	10-1999	Pollin, Robert E.	705/34
*	E	US-5,943,424	08-1999	Berger et al.	705/64
*	F	US-5,915,019	06-1999	Ginter et al.	705/54
*	G	US-5,895,455	04-1999	Bellinger et al.	705/35
*	H	US-5,889,863	03-1999	Weber, Jay C.	705/76
*	I	US-5,870,725	02-1999	Bellinger et al.	705/45
*	J	US-5,850,446	12-1998	Berger et al.	705/79
*	K	US-5,812,668	09-1998	Weber, Jay C.	705/79
*	L	US-5,727,249	03-1998	Pollin, Robert E.	705/40
*	M	US-5,691,524	11-1997	Josephson, Stanley M.	705/40

FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 09/343,550	Applicant(s)/Patent Under Reexamination ALVIN, ROBERT S.	
	Examiner CUONG H. NGUYEN	Art Unit 3661	Page 3 of 4

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A	US-5,256,863	10-1993	Ferguson et al.	705/21
*	B	US-6,088,686	07-2000	Walker et al.	705/38
*	C	US-6,070,141	05-2000	Houvener et al.	705/1
*	D	US-5,940,811	08-1999	Norris, Jeffrey A.	705/38
*	E	US-5,870,721	02-1999	Norris, Jeffrey A.	705/38
*	F	US-6,374,293	04-2002	Dev et al.	709/220
*	G	US-6,049,828	04-2000	Dev et al.	709/224
*	H	US-5,812,750	09-1998	Dev et al.	714/4
*	I	US-5,751,933	05-1998	Dev et al.	714/4
*	J	US-5,559,955	09-1996	Dev et al.	714/4
*	K	US-5,504,921	04-1996	Dev et al.	709/223
*	L	US-5,436,909	07-1995	Dev et al.	714/4
*	M	US-5,295,244	03-1994	Dev et al.	715/853

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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NON-PATENT DOCUMENTS

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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Notice of References Cited	Application/Control No. 09/343,550	Applicant(s)/Patent Under Reexamination ALVIN, ROBERT S.	
	Examiner CUONG H. NGUYEN	Art Unit 3661	Page 4 of 4

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
*	A US-5,261,044	11-1993	Dev et al.	715/855
	B US-			
	C US-			
	D US-			
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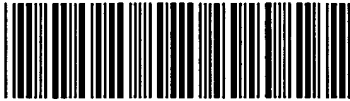
FOREIGN PATENT DOCUMENTS


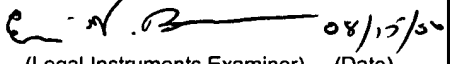
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*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

Issue Classification 	Application/Control No. 09/343,550	Applicant(s)/Patent under Reexamination ALVIN, ROBERT S.	
	Examiner CUONG H. NGUYEN	Art Unit 3661	

ISSUE CLASSIFICATION												
ORIGINAL					CROSS REFERENCE(S)							
CLASS	SUBCLASS				CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)						
705	35				705	76	26	38	42	44	70	75
INTERNATIONAL CLASSIFICATION												
G	0	6	F	17/60								
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_____ (Assistant Examiner) (Date)					 CUONG NGUYEN PRIMARY EXAMINER (Primary Examiner)					Total Claims Allowed: 5		
 (Legal Instruments Examiner) (Date)										O.G. Print Claim(s) 1		O.G. Print Fig. 3
					5/15/06 (Date)							

<input type="checkbox"/> Claims renumbered in the same order as presented by applicant		<input type="checkbox"/> CPA		<input type="checkbox"/> T.D.		<input type="checkbox"/> R.1.47	
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Bib Data Sheet

CONFIRMATION NO. 8070

SERIAL NUMBER 09/343,550	FILING OR 371(c) DATE 06/30/1999 RULE	CLASS 705	GROUP ART UNIT 3661	ATTORNEY DOCKET NO. HSI-006
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APPLICANTS
 ROBERT S. ALVIN, BOULDER CREEK, CA;
**** CONTINUING DATA ******* Y
 This appln claims benefit of 60/104,831 10/19/1998
**** FOREIGN APPLICATIONS ***** N
IF REQUIRED, FOREIGN FILING LICENSE GRANTED SMALL ENTITY ****
 ** 07/22/1999

Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance Examiner's Signature: <i>[Signature]</i> Initials:	STATE OR COUNTRY CA	SHEETS DRAWING 5	TOTAL CLAIMS 25	INDEPENDENT CLAIMS 2
------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------	----------------------------	---------------------------	--------------------------------

ADDRESS
 RONALD P. KANANEN
 RADER, FISHMAN & GRAUER
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 1233 20TH STREET, N.W.
 WASHINGTON, DC20036

TITLE
 MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

FILING FEE RECEIVED 419	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees
		<input type="checkbox"/> 1.16 Fees (Filing)
		<input type="checkbox"/> 1.17 Fees (Processing Ext. of time)
		<input type="checkbox"/> 1.18 Fees (Issue)
		<input type="checkbox"/> Other _____
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SERIAL NUMBER 09/343,550	FILING DATE 06/30/1999 RULE	CLASS 705	GROUP ART UNIT 3661	ATTORNEY DOCKET NO. HSI-006
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APPLICANTS

ROBERT S. ALVIN, BOULDER CREEK, CA;

** CONTINUING DATA *****

Y PLAN

This appln claims benefit of 60/104,831 10/19/1998

** FOREIGN APPLICATIONS *****

N PLAN

IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY **

** 07/22/1999

Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> yes <input checked="" type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY CA	SHEETS DRAWING 5	TOTAL CLAIMS 85	INDEPENDENT CLAIMS 2
Verified and Acknowledged	Examiner's Signature: <i>Changman</i> Initials: <i>CM</i>				

ADDRESS

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 20036

TITLE

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

FILING FEE RECEIVED 419	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue)
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RADER FISHMAN & GRAUER
1233 20TH STREET, N.W., SUITE 501
WASHINGTON, DC 20036

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JUL 21 2006

OFFICE OF PETITIONS

In re Application of :
Robert S. Alvin :
Application No. 09/343,550 :
Filed: June 30, 1999 :
Attorney Docket No. HIS-006 :

ON PETITION

This is a decision on the petition under 37 CFR 1.137(b), filed January 3, 2006, to revive the above-identified application.

The petition is **GRANTED**.


The above-identified application became abandoned for failure to reply in a timely manner to the non-final Office action mailed October 2, 2001, which set a shortened statutory period for reply of three (3) months. No extension of time under the provisions of 37 CFR 1.136(a) were obtained. Accordingly, the above-identified application became abandoned on January 3, 2002.

The above-identified application has been abandoned for an extended period of time. The Patent and Trademark Office is relying on petitioner's duty of candor and good faith and accepting the statement that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to 37 CFR 1.137(b) was unintentional. See Changes to Patent Practice and Procedure, 62 Fed. Reg. at 53160 and 53178; 1203 Off. Gaz. Pat. Office at 88 and 103 (responses to comments 64 and 109) (applicant obligated under 37 CFR 10.18 to inquire into the underlying facts and circumstances when providing the statement required by 37 CFR 1.137(b) to the Patent and Trademark Office).

The file does not indicate a change of address has been submitted, although the address given on the petition differs from the address of record. If appropriate, a change of address should be filed in accordance with MPEP 601.03. A courtesy copy of this decision is being mailed to the address given on the petition; however, the Office will mail all future correspondence solely to the address of record.

Telephone inquiries concerning this decision should be directed to Irvin Dingle at (571) 272-3210.

This matter is being referred to Technology Center AU 3661 for further processing.


Irvin Dingle
Petitions Examiner
Office of Petitions

cc: Steven A. Swemofsky
P.O. Box 390013
Mountain View, CA 94039-0013

Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L14 and ((gross\$ or sum\$ or total\$) with fault\$ with compar\$)	9

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

Recall Text
Clear
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Search History

DATE: Monday, June 19, 2006 [Printable Copy](#) [Create Case](#)

<u>Set Name</u> <u>Query</u> side by side	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
<u>L15</u> L14 and ((gross\$ or sum\$ or total\$) with fault\$ with compar\$)	9	<u>L15</u>
<u>L14</u> L10 or l11 or l12 (4827411 4896319 5559955 4858152 5274572 5802286 5038318 4251858 5133063 4701845 4833592 4956835 5109486 5606664 4695946 5138712 5036334 5049873 5226120 4694946 4821220 5008853 5276789 4545011)! [PN]	670	<u>L14</u>
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5008853 | 5276789 | 4545011)! [PN]

*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
OP=OR*

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<u>L10</u>	('6049828 '5812750 '5751933 '5261044 '5436909 '5295244 '5559955 '6374293 '5504921')[URPN]	638	<u>L10</u>
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<u>L8</u>	L7 and catalog\$	0	<u>L8</u>
<u>L7</u>	L4 and database\$	9	<u>L7</u>
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L7: Entry 1 of 9

File: USPT

Apr 16, 2002

US-PAT-NO: 6374293

DOCUMENT-IDENTIFIER: US 6374293 B1

TITLE: Network management system using model-based intelligence

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Emery; Dale H.	Berwick	ME		
Rustici; Eric S.	Londonderry	NH		
Brown; Howard M.	Rochester	NH		
Wiggin; Dwayne S.	Rochester	NH		
Gray; Eric W.	Manchester	NH		
Scott; Walter P.	Salem	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Aprisma Management Technologies, Inc.	Durham	NH			02

APPL-NO: 08/616824 [\[PALM\]](#)

DATE FILED: March 15, 1996

PARENT-CASE:

This application is a continuation division of application Ser. No. 08/243,642, filed on May 16, 1994 now U.S. Pat. No. 5,504,921 entitled NETWORK MANAGEMENT SYSTEM USING MODEL-BASED INTELLIGENCE, which is a continuation application under 37 CFR 1.60 of prior application Ser. No. 07/583,509, filed on Sep. 17, 1990 entitled NETWORK MANAGEMENT SYSTEM USING MODEL-BASED INTELLIGENCE (now abandoned).

INT-CL-ISSUED: [07] [G06 F 15/177](#), [G06 F 15/173](#), [G06 F 13/40](#)

US-CL-ISSUED: [709/220](#); [709/226](#), [709/249](#), [709/250](#), [709/221](#), [709/332](#), [709/315](#), [709/316](#)

US-CL-CURRENT: [709/220](#); [709/221](#), [709/226](#), [709/249](#), [709/250](#), [719/315](#), [719/316](#), [719/332](#)

FIELD-OF-CLASSIFICATION-SEARCH: [709/1](#), [709/220](#), [709/221](#), [709/225](#), [709/226](#), [709/230](#), [709/238](#), [709/249](#), [709/251](#), [709/252](#), [709/218](#), [709/224](#), [709/229](#), [709/231](#), [709/223](#), [709/232](#), [709/222](#), [709/250](#), [709/332](#)

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/> <u>4545011</u>	October 1985	Lyon et al.	364/200
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<input type="checkbox"/> <u>4827411</u>	May 1989	Arrowood et al.	364/300
<input type="checkbox"/> <u>4833592</u>	May 1989	Yamanaka	364/188 X
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<input type="checkbox"/> <u>4896319</u>	January 1990	Lidinsky et al.	370/60
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<input type="checkbox"/> <u>5036334</u>	July 1991	Henderson et al.	342/460
<input type="checkbox"/> <u>5038318</u>	August 1991	Roseman	395/375
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<input type="checkbox"/> <u>5133063</u>	July 1992	Naito et al.	395/500
<input type="checkbox"/> <u>5138712</u>	August 1992	Corbin	395/700
<input type="checkbox"/> <u>5226120</u>	July 1993	Brown	395/200
<input type="checkbox"/> <u>5274572</u>	December 1993	O'Neill et al.	702/57
<input type="checkbox"/> <u>5276789</u>	January 1994	Besaw et al.	395/140

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- *Cantone, R. et al., "Model-Based Probabilistic Reasoning For Electronics Troubleshooting," Proc. 8th International Joint Conference on AI, Aug. 8-12, 1983, pp. 207-211.
- *Hseush, W. et al., "A Network Architecture for Reliable Distributed Computing", Proc. 1987, Symp. on Simulation of Computer Networks, pp. 11-22.
- *Jones, E., et al., "Monitoring and Analysis Strategies For Digital Networks," IEEE J. on Selected Areas in Comm., vol. 6, No. 4, May 1988, pp. 715-721.
- *Sutter, M. et al., "Designing Expert Systems for Real-Time Diagnosis of Self-Correcting Networks," IEEE Network Magazine, Sep. 1988, pp. 43-51.
- *Gargano et al., "A Logical Data Model On Integrated Geographical Database," IEEE 0/1990, pp. 473-481.
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- *Rodger Knaus, "A Portable Inference Engine," AI Expert, Jan. 1990, pp. 17-20.
- *R.S. Gilbert et al., "CNMGRAF--Graphic Presentation Serv. for Network Management," Proc. 9th Data Comm. Symp., Sep. 10-13, 1985, pp. 199-206.
- *D. Bursky, "Simulator Eases Communication Network Design," Electronic Design, vol. 37, No. 21, Oct. 12, 1989, pp. 97-98, 100.

*SynOptics Product Announcement, "Advanced Network Management For Ethernet And Token Ring," Mar. 4, 1991, pp. 1-15.

*Fledkhun, L. et al., "Event Management as a Common Functional Area of Open Systems Management," Integrated Network Management I, Meandzya, B. et al. (Eds.) 1989 pp. 365-376.

*Scott, K., "Taking Care of Business with SNMP," Data Communications, Mar. 21, 1990, pp. 31-41.

*Presuhn, R., "Considering CMIP," Data Communications, Mar. 21, 1990, pp. 55-60.

ART-UNIT: 2183

PRIMARY-EXAMINER: Pan; Daniel H.

ATTY-AGENT-FIRM: Wolf, Greenfield, and Sacks, P.C.

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network entity and one or more inference handlers for processing the network data to provide user information. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

29 Claims, 13 Drawing figures

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L7: Entry 1 of 9

File: USPT

Apr 16, 2002

DOCUMENT-IDENTIFIER: US 6374293 B1

TITLE: Network management system using model-based intelligence

Application Filing Date (1):

19960315

Brief Summary Text (6):

Network management systems have been utilized in the past in attempts to address such issues. Prior art network management systems typically operated by remote access to and monitoring of information from network devices. The network management system collected large volumes of information which required evaluation by a network administrator. Prior art network management systems place a tremendous burden on the network administrator. He must be a networking expert in order to understand the implications of a change in a network device parameter. The administrator must also understand the topology of each section of the network in order to understand what may have caused the change. In addition, the administrator must sift through reams of information and false alarms in order to determine the cause of a problem.

Brief Summary Text (7):

It is therefore desirable to provide a network management system which can systematize the knowledge of the networking expert such that common problems can be detected, isolated and repaired, either automatically or with the involvement of less skilled personnel. Such a system must have certain characteristics in order to achieve this goal. The system must have a complete and precise representation of the network and the networking technologies involved. It is insufficient to extend prior art network management systems to include connections between devices. A network is much more than the devices and the wires which connect them. The network involves the network devices, the network protocols and the software running on the devices. Without consideration of these aspects of the network, a model is incomplete. A system must be flexible and extendable. It must allow not only for the modeling of new devices, but must allow for the modeling of new technologies, media applications and protocol. The system must provide a facility for efficiently encapsulating the expert's knowledge into the system.

Brief Summary Text (16):

The models are implemented as software objects containing both data relating to the corresponding network entity and one or more inference handlers for processing the data. The inference handlers are triggered by predetermined virtual network events such as a change in specified network data in the same model, a change in specified network data in a different model, predefined events or changes in models or model relations. Information pertaining to the condition of a network entity can be obtained from the network entity by polling or can be inferred from data contained in other models. An alarm condition is generated when the network data meets a predetermined criteria. Events, alarms and statistical information from the virtual network are stored in a database and are selectively displayed for the user.

Detailed Description Text (2):

A block diagram of a network management system in accordance with the present invention is shown in FIG. 1. The major components of the network management system

are a user interface 10, a virtual network machine 12, and a device communication manager 14. The user interface 10, which may include a video display screen, keyboard, mouse and printer, provides all interaction with the user. The user interface controls the screen, keyboard, mouse and printer and provides the user with different views of the network that is being managed. The user interface receives network information from the virtual network machine 12. The virtual network machine 12 contains a software representation of the network being managed, including models that represent the devices and other entities associated with the network, and relations between the models. The virtual network machine 12 is associated with a database manager 16 which manages the storage and retrieval of disk-based data. Such data includes configuration data, an event log, statistics, history and current state information. The device communication manager 14 is connected to a network 18 and handles communication between the virtual network machine 12 and network devices. The data received from the network devices is provided by the device communication manager to the virtual network machine 12. The device communication manager 14 converts generic requests from the virtual network machine 12 to the required network management protocol for communicating with each network device. Existing network management protocols include Simple Network Management Protocol (SNMP), Internet Control Message Protocol (ICMP) and many proprietary network management protocols. Certain types of network devices are designed to communicate with a network management system using one of these protocols.

Detailed Description Text (14):

3. Attribute flags indicate how the attribute is to be manipulated. A memory flag indicates that the attribute is stored in memory. A database flag indicates that the attribute is maintained in the database of the virtual network machine. An external flag indicates that the attribute is maintained in the device being modeled. A polled flag indicates that the attributes' value should be periodically surveyed or polled by the device being modeled. The flags also indicate whether the attribute is readable or writable by the user.

Detailed Description Text (22):

It will be understood that communication between a model and its corresponding network entity is possible only for certain types of devices such as bridges, card racks, hubs, etc. In other cases, the network entity being modeled is not capable of communicating its status to the network management system. For example, models of buildings or rooms containing network devices and models of cables cannot communicate with the corresponding network entities. In this case, the status of the network entity is inferred by the model from information contained in models of other network devices. Since successful polling of a network device connected to a cable may indicate that the cable is functioning properly, the status of the cable can be inferred from information contained in a model of the attached network device. Similarly, the operational status of a room can be inferred from the operational status contained in models of the network devices located within the room. In order for a model to make such inferences, it is necessary for the model to obtain information from related models. In a function called a model watch, an attribute in one model is monitored or watched by one or more other models. A change in the watched attribute may trigger inference handlers in the watching models.

Detailed Description Text (23):

The virtual network machine also includes an event log, a statistics log and an alarm log. These logs permit information contained in the models to be organized and presented to the user and to be recorded in the database.

Detailed Description Text (24):

The event message provides specific information about events, including alarms that have occurred in a given model. The events pass from the model to an event log manager which records the event in the external database. An event message is also

sent to the user interface based on event filters, as discussed below. The user can request event information from the database. An event message includes a model handle, a model-type handle, an event date and time, an event type and subtype, an event severity, a model name, a model-type name, an event user name, an event data count and event variable data. The event variable data permits additional information to be provided about the event.

Detailed Description Text (26):

Statistics history messages are similar to the event messages described above. The statistics information includes any model parameters or functions which the user wishes to monitor. A statistics history message passes from the model to a statistics log manager and subsequently to the external database. The statistics message is also sent to the user interface based predefined filter parameters. The user can request the statistics log manager to obtain and display statistics information from the external database. Statistics messages are compiled whenever a device read procedure occurs.

Detailed Description Text (29):

In operation, at a specified time model 144 initiates polling of network device 44 in step 200 in order to obtain an update of the status of network device 44. The model 144 sends a request to the device communication manager 14 to poll network device 44. The device communication manager 14 converts the request to the required protocol for communication with network device 44 and sends the message. The requested information may, for example, be the number of packets sent on the network in a given time and the number of errors that occurred. When the requested information is returned to model 144, the corresponding attributes in model 144 are updated in step 206 and an error rate inference handler is triggered. The error rate inference handler in step 208 calculates the error rate for network device 44. If the error rate is within prescribed limits (step 210), an error rate attribute is updated, and the new information is logged into the database (step 212). If the calculated error rate is above a predetermined limit, an error alarm inference handler is triggered. The error alarm inference handler may shut off the corresponding network device 44 and send an alarm to the user interface in step 214. The alarm is also logged in the database. If the network device 44 is shut off in response to a high error rate, a condition attribute in model 144 is updated to reflect the off condition in step 216. If no response was received from the network device 44 when it was polled (step 218), a fault isolation inference handler is triggered in step 220. The fault isolation inference handler operates as described below to determine the network component which caused network device 44 to fail to respond to the poll. When the cause of the fault is determined, a fault message is sent to the user interface.

Detailed Description Text (49):

The virtual network machine described above including models and model relations provides a very general approach to network management. By customizing the virtual network machine, virtually any network management function can be implemented. Both data (attributes) and intelligence (inference handlers) are encapsulated into a model of a network entity. New models can be generated by combining or modifying existing models since the models are implemented in the C++ programming language. A model can be identified by a variety of different dimensions or names, depending on the attributes specified. For example, a particular network device can be identified as a device, a type of device, or by vendor or model number. Models are interrelated with each other by different types of relations. The relations permit stimulus-response chaining. The model approach provides loosely-coupled intelligent models with interaction between models according to specified triggers. The system has data location independence. The data for operation of the virtual network machine may reside in the database, memory or in the physical network which is being modeled.

Detailed Description Text (52):

The fault isolation technique is advantageously implemented in the conjunction with the model-based representation of the network and polling of network devices as described above. In a preferred embodiment of the fault isolation technique, each model that is capable of polling its corresponding network device maintains a fault status for that device. If contact with the device is lost, the fault status is set. Each such model also maintains a count of the number of network devices that are directly connected to the network device. In addition, each such model maintains a count of the number of adjacent network devices for which contact has been lost. This information is determined by each model watching the fault status in models corresponding to adjacent network devices. When a given model loses contact with its corresponding network device, two operations are performed. The fault status of the model is set, and the count of total adjacent devices is compared with the count of adjacent devices for which the fault status is set. If the counts are equal, all adjacent models have lost contact with their corresponding network devices. In this case, the fault status of the first model is suppressed.

Detailed Description Text (64):

Examples of topological views are shown in FIGS. 8A and 8B. In FIG. 8A, a topological view of a corporate site is shown. An administration network icon 330 and an engineering network icon 332 are interconnected to an Internet icon 334 by links 336. Each network is represented by a multifunction icon. By clicking on the engineering network icon 332, a view of the details of the engineering network is obtained, as shown in FIG. 8B. The network devices in the engineering network are represented by multifunction icons 340, 342, 344, and the interconnections 346 between network devices are shown.

Detailed Description Text (71):

The user interface 10 and the virtual network machine 12 communicate via Unix sockets. Messages between these two components are encoded in a machine independent format. A user interface object such as an icon manager or a view manager may communicate with a model, model type or model relation in the virtual network machine in order to retrieve attribute data.

Other Reference Publication (5):

*Gargano et al., "A Logical Data Model On Integrated Geographical Database," IEEE 0/1990, pp. 473-481.

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L7: Entry 2 of 9

File: USPT

Apr 11, 2000

US-PAT-NO: 6049828
DOCUMENT-IDENTIFIER: US 6049828 A

TITLE: Method and apparatus for monitoring the status of non-pollable devices in a computer network

DATE-ISSUED: April 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Nelson; Mark H.	Fremont	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cabletron Systems, Inc.	Rochester	NH			02

APPL-NO: 09/153711 [\[PALM\]](#)
DATE FILED: September 15, 1998

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is a continuation of application Ser. No. 08/824,492 filed Mar. 27, 1997 (now U.S. Pat. No. 5,812,750) entitled METHOD AND APPARATUS FOR MONITORING THE STATUS OF NON-POLLABLE DEVICES IN A COMPUTER NETWORK, which is a continuation of U.S. Ser. No. 08/623,281 filed Mar. 28, 1996 (abandoned), which is a continuation of U.S. Ser. No. 08/355,430 filed Dec. 13, 1994 (now U.S. Pat. No. 5,559,955), which is a continuation of U.S. Ser. No. 08/216,696 filed Mar. 23, 1994 (abandoned), which is a continuation of U.S. Ser. No. 07/797,121 filed Nov. 22, 1991 (abandoned), which is a continuation-in-part of U.S. Ser. No. 07/583,509 filed Sep. 17, 1990 (abandoned).

INT-CL-ISSUED: [07] [G06 F 7/38](#)

US-CL-ISSUED: [709/224](#); [709/220](#), [709/223](#), [709/226](#), [709/239](#), [714/11](#), [714/43](#), [714/56](#)
US-CL-CURRENT: [709/224](#); [709/220](#), [709/223](#), [709/226](#), [709/239](#), [714/11](#), [714/43](#), [714/56](#)

FIELD-OF-CLASSIFICATION-SEARCH: [345/969](#), [709/220](#), [709/223](#), [709/224](#), [709/225](#), [709/226](#), [709/229](#), [709/249](#), [709/253](#), [709/239](#), [714/11](#), [714/43](#), [714/56](#)
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4251858</u>	February 1981	Cambigue et al.	395/200 X
<input type="checkbox"/> <u>4545011</u>	October 1985	Lyon et al.	364/200
<input type="checkbox"/> <u>4695946</u>	September 1987	Andreasen et al.	395/575
<input type="checkbox"/> <u>4701845</u>	October 1987	Andreasen et al.	395/575
<input type="checkbox"/> <u>4827411</u>	May 1989	Arrowood et al.	364/300
<input type="checkbox"/> <u>4833592</u>	May 1989	Yamanaka	364/188 X
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<input type="checkbox"/> <u>5008853</u>	April 1991	Bly et al.	364/900
<input type="checkbox"/> <u>5036334</u>	July 1991	Henderson et al.	342/460
<input type="checkbox"/> <u>5038318</u>	August 1991	Roseman	395/375
<input type="checkbox"/> <u>5049873</u>	September 1991	Robins et al.	340/825.06
<input type="checkbox"/> <u>5133063</u>	July 1992	Naito et al.	395/500
<input type="checkbox"/> <u>5138712</u>	August 1992	Corbin	395/700
<input type="checkbox"/> <u>5226120</u>	July 1993	Brown	395/200
<input type="checkbox"/> <u>5276789</u>	January 1994	Besaw et al.	395/140
<input type="checkbox"/> <u>5559955</u>	September 1996	Dev et al.	395/182.02
<input type="checkbox"/> <u>5606664</u>	February 1997	Brown et al.	709/1
<input type="checkbox"/> <u>5802286</u>	September 1998	Dere et al.	709/5

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WO 80/01615	August 1980	WO	

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T.E.Marques, "A Symptom-Driven Expert System For Isolating And Correcting Network Faults," IEEE Communications Magazine, vol. 26, No. 3, Mar. 1988, pp. 6-13.

J.R. Agre, "A Message-Based Fault Diagnosis Procedure," ACM SIGCOMM '86 Symposium On Communications Architectures And Protocols, Stowe, Vermont USA, Aug. 5-7, 1986, vol. 16, No. 3, ISSN 0146-4833, Computer Communication Review, Aug. 1986, USA, pp. 328-337.

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D.Bursky, "Simulator Eases Communication Network With Integrated Graphics, A Simulator Helps Designer Create Network Models To Analyze Throughput," Electronic

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Andrew S. Tanenbaum "Structured Computer Organization," Prentice-Hall (1984) pp. 10-12.

Cantone, R. et al., "Model-Based Probabilistic Reasoning For Electronics Troubleshooting," Proc. 8th International Joint Conference on AI, Aug. 8-12, 1983, pp. 207-211.

Hseush, W. et al., "A Network Architecture for Reliable Distributed Computing", Proc. 1987, Symp. on Simulation of Computer Networks, pp. 11-12.

Jones, E., et al., "Monitoring and Analysis Strategies For Digital Networks," IEEE J. on Selected Areas in Comm., vol. 6, No. 4, May 1988, pp. 715-721.

Sutter, M. et al., "Designing Expert Systems for Real-Time Diagnosis of Self-Correcting Networks," IEEE Network Magazine, Sep. 1988, pp. 43-51.

Gargano et al., "A Logical Data Model On Integrated Geographical Database," IEEE 0/1990, pp. 473-481.

ART-UNIT: 273

PRIMARY-EXAMINER: Follensbee; John A.

ASSISTANT-EXAMINER: Nguyen; Dzung C

ATTY-AGENT-FIRM: Wolf, Freenfield & Sacks, P.C.

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network entity and one or more inference handlers for processing the network data to provide user information. The system can poll or communicate with certain network entities and can infer the status of network connectors and other network entities for which polling is impossible or impractical. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

10 Claims, 16 Drawing figures

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L7: Entry 2 of 9

File: USPT

Apr 11, 2000

DOCUMENT-IDENTIFIER: US 6049828 A

TITLE: Method and apparatus for monitoring the status of non-pollable devices in a computer network

Application Filing Date (1):

19980915

Brief Summary Text (6):

Network management systems have been utilized in the past in attempts to address such issues. Prior art network management systems typically operated by remote access to and monitoring of information from network devices. The network management system collected large volumes of information which required evaluation by a network administrator. Prior art network management systems place a tremendous burden on the network administrator. He must be a networking expert in order to understand the implications of a change in a network device parameter. The administrator must also understand the topology of each section of the network in order to understand what may have caused the change. In addition, the administrator must sift through reams of information and false alarms in order to determine the cause of a problem.

Brief Summary Text (7):

It is therefore desirable to provide a network management system which can systematize the knowledge of the networking expert such that common problems can be detected, isolated and repaired, either automatically or with the involvement of less skilled personnel. Such a system must have certain characteristics in order to achieve this goal. The system must have a complete and precise representation of the network and the networking technologies involved. It is insufficient to extend prior art network management systems to include connections between devices. A network is much more than the devices and the wires which connect them. The network involves the network devices, the network protocols and the software running on the devices. Without consideration of these aspects of the network, a model is incomplete. A system must be flexible and extendable. It must allow not only for the modeling of new devices, but must allow for the modeling of new technologies, media applications and protocol. The system must provide a facility for efficiently encapsulating the expert's knowledge into the system.

Detailed Description Text (4):

The virtual network machine 12 contains a software representation of the network being managed, including models that represent the devices and other entities associated with the network, and relations between the models. The virtual network machine 12 is associated with a database manager 16 which manages the storage and retrieval of disk-based data. Such data includes configuration data, an event log, statistics, history and current state information.

Detailed Description Text (5):

The device communication manager 14 is connected to a network 18 and handles communication between the virtual network machine 12 and network devices. The data received from the network devices is provided by the device communication manager to the virtual network machine 12. The device communication manager 14 converts generic requests from the virtual network machine 12 to the required network

management protocol for communicating with each network device. Existing network management protocols include Simple Network Management Protocol (SNMP), Internet Control Message Protocol (ICMP) and many proprietary network management protocols. Certain types of network devices are designed to communicate with a network management system using one of these protocols.

Detailed Description Text (18):

(3) Attribute flags indicate how the attribute is to be manipulated. A memory flag indicates that the attribute is stored in memory. A database flag indicates that the attribute is maintained in the database of the virtual network machine. An external flag indicates that the attribute is maintained in the device being modeled. A polled flag indicates that the attributes value should be periodically surveyed or polled by the device being modeled. The flags also indicate whether the attribute is readable or writable by the user.

Detailed Description Text (26):

It will be understood that communication between a model and its corresponding network entity is possible only for certain types of devices such as bridges, card racks, hubs, etc. In other cases, the network entity being modeled is not capable of communicating its status to the network management system. For example, models of buildings or rooms containing network devices and models of cables cannot communicate with the corresponding network entities. In this case, the status of the network entity is inferred by the model from information contained in models of other network devices. Since successful polling of a network device connected to a cable may indicate that the cable is functioning properly, the status of the cable can be inferred from information contained in a model of the attached network device. Similarly, the operational status of a room can be inferred from the operational status contained in models of the network devices located within the room. In order for a model to make such inferences, it is necessary for the model to obtain information from related models. In a function called a model watch, an attribute in one model is monitored or watched by one or more other models. A change in the watched attribute may trigger inference handlers in the watching models.

Detailed Description Text (27):

The virtual network machine also includes an event log, a statistics log and an alarm log. These logs permit information contained in the models to be organized and presented to the user and to be recorded in the database.

Detailed Description Text (28):

The event message provides specific information about events, including alarms that have occurred in a given model. The events pass from the model to an event log manager which records the event in the external database. An event message is also sent to the user interface based on event filters, as discussed below. The user can request event information from the database. An event message includes a model handle, a model-type handle, an event date and time, an event type and subtype, an event severity, a model name, a model-type name, an event user name, an event data count and event variable data. The event variable data permits additional information to be provided about the event.

Detailed Description Text (30):

Statistics history messages are similar to the event messages described above. The statistics information includes any model parameters or functions which the user wishes to monitor. A statistics history message passes from the model to a statistics log manager and subsequently to the external database. The statistics message is also sent to the user interface based upon predefined filter parameters. The user can request the statistics log manager to obtain and display statistics information from the external database. Statistics messages are compiled whenever a device read procedure occurs.

Detailed Description Text (33):

In operation, at a specified time model 144 initiates polling of network device 44 in step 200 in order to obtain an update of the status of network device 44. The model 144 sends a request to the device communication manager 14 to poll network device 44. The device communication manager 14 converts the request to the required protocol for communication with network device 44 and sends the message. The requested information may, for example, be the number of packets sent on the network in a given time and the number of errors that occurred. When the requested information is returned to model 144, the corresponding attributes in model 144 are updated in step 206 and an error rate inference handler is triggered. The error rate inference handler in step 208 calculates the error rate for network device 44. If the error rate is within prescribed limits (step 210), an error rate attribute is updated, and the new information is logged into the database (step 212). If the calculated error rate is above a predetermined limit, an error alarm inference handler is triggered. The error alarm inference handler may shut off the corresponding network device 44 and send an alarm to the user interface in step 214. The alarm is also logged in the database. If the network device 44 is shut off in response to a high error rate, a condition attribute in model 144 is updated to reflect the off condition in step 216. If no response was received from the network device 44 when it was polled (step 218), a fault isolation inference handler is triggered in step 220. The fault isolation inference handler operates as described below to determine the network component which caused network device 44 to fail to respond to the poll. When the cause of the fault is determined, a fault message is sent to the user interface.

Detailed Description Text (53):

The virtual network machine described above including models and model relations provides a very general approach to network management. By customizing the virtual network machine, virtually any network management function can be implemented. Both data (attributes) and intelligence (inference handlers) are encapsulated into a model of a network entity. New models can be generated by combining or modifying existing models since the models are implemented in the C++ programming language. A model can be identified by a variety of different dimensions or names, depending on the attributes specified. For example, a particular network device can be identified as a device, a type of device, or by vendor or model number. Models are interrelated with each other by different types of relations. The relations permit stimulus-response chaining. The model approach provides loosely-coupled intelligent models with interaction between models according to specified triggers. The system has data location independence. The data for operation of the virtual network machine may reside in the database, memory or in the physical network which is being modeled.

Detailed Description Text (56):

The fault isolation technique is advantageously implemented in the conjunction with the model-based representation of the network and polling of network devices as described above. In a preferred embodiment of the fault isolation technique, each model that is capable of polling its corresponding network device maintains a fault status for that device. If contact with the device is lost, the fault status is set. Each such model also maintains a count of the number of network devices that are directly connected to the network device. In addition, each such model maintains a count of the number of adjacent network devices for which contact has been lost. This information is determined by each model watching the fault status in models corresponding to adjacent network devices. When a given model loses contact with its corresponding network device, two operations are performed. First, the fault status of the model is set. Second, the count of total adjacent devices is compared with the count of adjacent devices for which the fault status is set. If the counts are equal, all adjacent models have lost contact with their corresponding network devices, and the fault status of the first model is suppressed.

Detailed Description Text (68):

Examples of topological views are shown in FIGS. 8A and 8B. In FIG. 8A, a topological view of a corporate site is shown. An administration network icon 330 and an engineering network icon 332 are interconnected to an Internet icon 334 by links 336. Each network is represented by a multifunction icon. By clicking on the engineering network icon 332, a view of the details of the engineering network is obtained, as shown in FIG. 8B. The network devices in the engineering network are represented by multifunction icons 340, 342, 344, and the interconnections 346 between network devices are shown.

Detailed Description Text (75):

The user interface 10 and the virtual network machine 12 communicate via Unix sockets. Messages between these two components are encoded in a machine independent format. A user interface object such as an icon manager or a view manager may communicate with a model, model type or model relation in the virtual network machine in order to retrieve attribute data. It is to be understood that alternative embodiments may utilize any of a variety of software communication methods and that the present invention is in no way limited to any particular operating system or any particular software communication protocol.

Detailed Description Text (86):

The connector model classifies ports into two types. First, there are repeater ports. Repeater ports are extremely common entities within a network. For instance, a network hub may have 100 repeater ports. The connector model, however, requires information from only a relatively few of the repeater ports. More specifically, the connector model requires information from only those repeater ports that are connected to a connector with a corresponding inferred connector model. It is therefore advantageous to limit polling requests to those repeater ports that are connected to modeled connectors. In a preferred embodiment, the connector models poll only those repeater ports that are connected to a modeled connector. Second, there are Internet Interface ports, which are far less common than repeater ports in a network system. In the preferred embodiment all Internet Interface ports are polled, as the relative infrequency of these ports does not warrant the extra complexity of optimizing software. It is understood, however, that the same technique applied to repeater port polling optimization can easily be applied to Internet Interface ports.

Detailed Description Text (87):

The Internet Interface port specific routines utilize names that reflect the terms used within the art. Specifically, admin.sub.-- status and operational.sub.-- status are attributes within the Management Information Base (MIB) of Internet Interface ports. The connector models utilize these names. Operational.sub.-- status represents the actual status of the port. Admin.sub.-- status represents the desired status of the port. It should be noted that individual ports can be turned off by the management system. When this is done, admin.sub.-- status is "down"; admin.sub.-- status or operational.sub.-- status of "up" indicates that the port is operative.

Detailed Description Text (95):

6. An INTERFACE.sub.-- INTERNAL.sub.-- LINK.sub.-- STATUS routine determines the port.sub.-- link.sub.-- status for Internet Interface ports that are connected to a modeled connector. This routine polls operational.sub.-- status for those ports. When the operational.sub.-- status is "down" and the admin.sub.-- status is "up" after polling, this routine sets port.sub.-- link.sub.-- status to "bad"; otherwise port.sub.-- link.sub.-- status is set to "good". It should be noted that a port can be turned off by the management system. When this is done, admin.sub.-- status is set to "down." It follows that for connector model purposes, when the desired status, i.e., admin status, is down for a particular port, an operational.sub.-- status of down for that port should not be construed as the port being inoperative. For the reasons discussed above, when contact.sub.-- status is "lost" for the

ported device, port.sub.-- link.sub.-- status is set to "unknown."

Detailed Description Text (99):

The formula makes the following inferences. First, if all entities connected to a connector are either "lost," known "bad," or "initial," the connector is inferred to be "lost." This inference is sound because, if the connector is "lost," this can account for all of the devices having their contact status as "lost" or their port.sub.-- link.sub.-- status as "bad." Second, if all the devices on the connector are still in an initial state, then the connector is best described as being in an initial state, i.e., it is not yet known whether the connector is properly connected. It should be noted that models do not remain in an "initial" state for very long. Contact.sub.-- status changes from "initial." after the next polling interval. Polling intervals ordinarily occur on the order of every minute, but as previously stated the polling interval is programmable. Finally, if any device connected to the connector is "established", then the connector must be established, as there is no other way in which the device could have that contact.sub.-- status.

Other Reference Publication (11):

Gargano et al., "A Logical Data Model On Integrated Geographical Database," IEEE 0/1990, pp. 473-481.

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L7: Entry 3 of 9

File: USPT

Sep 22, 1998

US-PAT-NO: 5812750
DOCUMENT-IDENTIFIER: US 5812750 A

TITLE: Method and apparatus for monitoring the status of non-pollable devices in a computer network

DATE-ISSUED: September 22, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Nelson; Mark H.	Fremont	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cabletron Systems, Inc.	Rochester	NH			02

APPL-NO: 08/824492 [\[PALM\]](#)
DATE FILED: March 27, 1997

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is a continuation of application Ser. No. 08/623,281, filed Mar. 28, 1996 which is now abandoned, which is a continuation of application Ser. No. 08/355,430, filed Dec. 13, 1994, issued as U.S. Pat. No. 5,559,955, which is a continuation of application Ser. No. 08/216,696, filed Mar. 23, 1994 which was abandoned, which is a continuation of Ser. No. 07/797,121, filed Nov. 22, 1991 which was abandoned, which is a continuation of Ser. No. 07/583,509 filed Sep. 17, 1990, now abandoned.

INT-CL-ISSUED: [06] [G06 F 11/34](#)

US-CL-ISSUED: 395/182.02

US-CL-CURRENT: [714/4](#)

FIELD-OF-CLASSIFICATION-SEARCH: 364/DIG.1MSfile, 364/DIG.2MSfile, 395/180, 395/182.02, 395/182.19, 395/183.01, 395/183.06, 395/183.13, 395/200.01, 395/200.02, 395/200.1, 395/200.11, 395/200.3
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4251858</u>	February 1981	Cambigue et al.	395/200 X
<input type="checkbox"/> <u>4545011</u>	October 1985	Lyon et al.	364/200
<input type="checkbox"/> <u>4694946</u>	September 1987	Andreasen et al.	395/575
<input type="checkbox"/> <u>4701845</u>	October 1987	Andreasen et al.	395/575
<input type="checkbox"/> <u>4827411</u>	May 1989	Arrowood et al.	364/300
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<input type="checkbox"/> <u>4858152</u>	August 1989	Estes	364/550
<input type="checkbox"/> <u>4896319</u>	January 1990	Lidinsky et al.	370/60
<input type="checkbox"/> <u>4956835</u>	September 1990	Grover	370/16
<input type="checkbox"/> <u>5008853</u>	April 1991	Bly et al.j	364/900
<input type="checkbox"/> <u>5036334</u>	July 1991	Henderson et al.	342/460
<input type="checkbox"/> <u>5038318</u>	August 1991	Roseman	395/375
<input type="checkbox"/> <u>5049873</u>	September 1991	Robins et al.	340/825.06
<input type="checkbox"/> <u>5133063</u>	July 1992	Naito et al.	395/500
<input type="checkbox"/> <u>5138712</u>	August 1992	Corbin	395/700
<input type="checkbox"/> <u>5226120</u>	July 1993	Brown	395/200
<input type="checkbox"/> <u>5276789</u>	January 1994	Besaw et al.	395/140
<input type="checkbox"/> <u>5559955</u>	September 1996	Der et al.	395/182.02

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Scott, K., "Taking Care of Business with SNMP," Data Communications, Mar. 21, 1990, pp. 31-41.
Presuhn, R., "Considering CMIP," Data Communications, Mar. 21, 1990, pp. 55-60.

ART-UNIT: 274

PRIMARY-EXAMINER: Harrell; Robert B.

ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks, P.C.

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network entity and one or more inference handlers for processing the network data to provide user information. The system can poll or communicate with certain network entities and can infer the status of network connectors and other network entities for which polling is impossible or impractical. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

25 Claims, 16 Drawing figures

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L7: Entry 6 of 9

File: USPT

Apr 2, 1996

US-PAT-NO: 5504921

DOCUMENT-IDENTIFIER: US 5504921 A

**** See image for Certificate of Correction ****

TITLE: Network management system using model-based intelligence

DATE-ISSUED: April 2, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Emery; Dale H.	Berwick	ME		
Rustici; Eric S.	Londonderry	NH		
Brown; Howard M.	Rochester	NH		
Wiggin; Dwayne S.	Rochester	NH		
Gray; Eric W.	Manchester	NH		
Scott; Walter P.	Salem	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cabletron Systems, Inc.		DE			02

APPL-NO: 08/243642 [PALM]

DATE FILED: May 16, 1994

PARENT-CASE:

This application is a continuation of application Ser. No. 07/538,509 filed Sep. 17, 1990, now abandoned.

INT-CL-ISSUED: [06] G06 F 11/30, G06 F 11/32

US-CL-ISSUED: 395/800; 395/200.1, 395/200.11, 395/200.2, 395/600, 364/DIG.1

US-CL-CURRENT: 709/223; 707/10, 709/224, 709/242

FIELD-OF-CLASSIFICATION-SEARCH: 395/800, 395/200, 395/161, 395/155, 395/140, 395/200.1, 395/200.11, 395/200.2, 395/600, 364/DIG.1

See application file for complete search history.

PRIOR-ART-DISCLOSED:

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
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<input type="checkbox"/> <u>4545011</u>	October 1985	Lyon et al.	364/200
<input type="checkbox"/> <u>4695946</u>	September 1987	Andreasen et al.	395/575
<input type="checkbox"/> <u>4701845</u>	October 1987	Andreasen et al.	395/575
<input type="checkbox"/> <u>4827411</u>	May 1989	Arrowood et al.	364/300
<input type="checkbox"/> <u>4833592</u>	May 1989	Yamanaka	364/188 X
<input type="checkbox"/> <u>4858152</u>	August 1989	Estes	364/550
<input type="checkbox"/> <u>4896319</u>	January 1990	Lidinsky et al.	370/60
<input type="checkbox"/> <u>4956835</u>	September 1990	Grover	370/16
<input type="checkbox"/> <u>5008853</u>	April 1991	Bly et al.	364/900
<input type="checkbox"/> <u>5036334</u>	July 1991	Henderson et al.	342/460
<input type="checkbox"/> <u>5038318</u>	August 1991	Roseman	395/375
<input type="checkbox"/> <u>5049873</u>	September 1991	Robins et al.	340/825.06
<input type="checkbox"/> <u>5133063</u>	July 1992	Naito et al.	395/500
<input type="checkbox"/> <u>5138712</u>	August 1992	Corbin	395/700
<input type="checkbox"/> <u>5226120</u>	July 1993	Brown et al.	395/200
<input type="checkbox"/> <u>5276789</u>	January 1994	Besaw et al.	395/140

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D. Bursky, "Simulator Eases Communication Network Design," Electronic Design, vol. 37, No. 21, 12 Oct. 1989, pp. 97-98.

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Scott, K., "Taking Care Of Business With SNMP", Data Communications, Mar. 21, 1990, pp. 31-41.

Presuhn, R., "Considering CMIP", Data Communications, Mar. 21, 1990, pp. 55-60.

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Sutter, M. et al., "Designing Expert Systems For Real-Time Diagnosis Of Self-Correcting Networks," IEEE Network Magazine, Sep. 1988, pp. 43-51.

"Advanced Network Management For Ethernet And Token Ring," (Product Announcement) SynOptics Communications, Inc., Mar. 4, 1991.

ART-UNIT: 232

PRIMARY-EXAMINER: Bowler; Alyssa H.

ASSISTANT-EXAMINER: Nguyen; Dzung C.

ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network entity and one or more inference handlers for processing the network data to provide user information. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

53 Claims, 13 Drawing figures

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L7: Entry 7 of 9

File: USPT

Jul 25, 1995

US-PAT-NO: 5436909
DOCUMENT-IDENTIFIER: US 5436909 A

TITLE: Network management system using status suppression to isolate network faults

DATE-ISSUED: July 25, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Brown; Howard M.	Brighton	MA		
Rustici; Eric S.	Londonderry	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cabletron Systems, Inc.	Rochester	NH			02

APPL-NO: 07/789000 [\[PALM\]](#)
DATE FILED: November 7, 1991

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is a division of application Ser. No. 07/583,509 filed Sep. 17, 1990, now abandoned.

INT-CL-ISSUED: [06] [G06 F 11/30](#), [G01 R 31/08](#)

US-CL-ISSUED: 371/20.1; 371/29.1, 395/916

US-CL-CURRENT: [714/4](#); [706/916](#)

FIELD-OF-CLASSIFICATION-SEARCH: 371/29.1, 371/20.1, 395/916

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	4251858	February 1981	Cambique et al.	395/200 X
<input type="checkbox"/>	4545011	October 1985	Lyon et al.	364/200
<input type="checkbox"/>	4695946	September 1987	Andreasen et al.	395/575
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<input type="checkbox"/>	<u>5008853</u>	April 1991	Bly et al.	364/900
<input type="checkbox"/>	<u>5038318</u>	August 1991	Roseman	395/375
<input type="checkbox"/>	<u>5049873</u>	September 1991	Robins et al.	340/825.06
<input type="checkbox"/>	<u>5226120</u>	July 1993	Brown et al.	395/200

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Sutter, M. et al., "Designing Expert Systems for Real-Time Diagnosis of Self-Correcting Networks", IEEE Network Magazine, Sep. 1988, pp. 43-51.

Feldkhun, L. et al., "Event Management as a Common Functional Area of Open Systems Management", Integrated Network Management, I, Meandzija, B. et al. (Eds.) 1989, pp. 365-376.

Scott, K., "Taking Care of Business with SNMP", Data Communications, Mar. 21, 1990, pp. 31-41.

Presuhn, R., "Considering CMIP", Data Communications, Mar. 21, 1990, pp. 55-60.

Steven L. Fulton et al, "An Introduction to Model-Based Reasoning", AI Expert, Jan. 1990, pp. 48-55.

Rodger Knaus, "A Portable Inference Engine", AI Expert, Jan. 1990, pp.17-20.

R. S. Gilbert et al, "CNMGRAF--Graphic Presentation Serv. for Network Mgt.", Proc. 9th Data Comm. Symp., 10-13 Sep. 1985, pp. 199-206.

D. Bursky, "Simulator Eases Communication Network Design", Electronic Design, vol. 37, No. 21, 12 Oct. 1989, pp. 97-98, 100.

ART-UNIT: 236

PRIMARY-EXAMINER: Baker; Stephen M.

ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network entity and one or more inference handlers for processing the network data to provide user information. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

5 Claims, 13 Drawing figures

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L7: Entry 8 of 9

File: USPT

Mar 15, 1994

US-PAT-NO: 5295244

DOCUMENT-IDENTIFIER: US 5295244 A

**** See image for Certificate of Correction ****

TITLE: Network management system using interconnected hierarchies to represent different network dimensions in multiple display views

DATE-ISSUED: March 15, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Emery; Dale H.	Berwick	ME		
Rustici; Eric S.	Londonderry	NH		
Scott; Walter P.	Salem	NH		
Wiggin; Dwayne S.	Rochester	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cabletron Systems, Inc.	Rochester	NH			02

APPL-NO: 08/101777 [PALM]

DATE FILED: August 3, 1993

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is continuation of application Ser. No. 07/790,408 filed Nov. 7, 1991, now abandoned, which is a division of application Ser. No. 07/583,509 filed Sep. 17, 1990.

INT-CL-ISSUED: [05] G06F 15/20, G06F 3/14

US-CL-ISSUED: 395/161; 395/160, 395/159, 395/200

US-CL-CURRENT: 715/853; 709/223, 715/775, 715/839, 715/854, 715/855, 715/969, 715/970

FIELD-OF-CLASSIFICATION-SEARCH: 395/161, 395/160, 395/159, 395/2MS, 364/188, 340/825.06, 340/825.15, 340/825.17

See application file for complete search history.

PRIOR-ART-DISCLOSED:

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<input type="checkbox"/> <u>4695946</u>	September 1987	Andreasen et al.	395/575
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<input type="checkbox"/> <u>4956835</u>	September 1990	Grover	370/16
<input type="checkbox"/> <u>5008853</u>	April 1991	Bly et al.	364/900
<input type="checkbox"/> <u>5036334</u>	July 1991	Henderson et al.	342/460
<input type="checkbox"/> <u>5038318</u>	August 1991	Roseman	395/375
<input type="checkbox"/> <u>5049873</u>	September 1991	Robins et al.	340/825.06
<input type="checkbox"/> <u>5133063</u>	July 1992	Naito et al.	395/500
<input type="checkbox"/> <u>5138712</u>	August 1992	Corbin	395/700
<input type="checkbox"/> <u>5226120</u>	July 1993	Brown et al.	395/200

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Rodger Knaus, "A Portable Inference Engine", AI Expert, Jan. 1990, pp. 17-20.

R. S. Gilbert et al, "CNMGRAF--Graphic Presentation Serv. for Network Mgt.", Proc. 9th Data Comm. Symp., Sep. 10-13, 1985, pp. 199-206.

D. Bursky, "Simulator Eases Communication Network Design", Electronic Design, vol. 37, No. 21, Oct. 12, 1989, pp. 97-98, 100.

Cantone, R. et al, "Model-Based Prob. Reasoning for Elect. Troubleshooting", Proc. 8th Int'l. Jt. Conf. on AI, Aug. 8-12, 1983, pp. 207-211.

Hseush, W. et al, "A Network Arch. for Reliable Dist. Comp.", Proc. 1987, Symp. on Simulation of Computer Networks, pp. 11-22.

Jones, E., et al, "Monitoring and Analysis Strat. for Digital Networks", IEEE J. on Selected Areas in Comm., vol. 6, No. 4, May 1988, pp. 715-721.

Sutter, M. et al, "Des. Expert Sys. for Real-Time Diag. of Self-Correcting Networks", IEEE Network Magazine, Sep. 1988, pp. 43-51.

Feldkhun, L. et al, "Event Mgmt. as a Common Funct. Area of Open Syst. Mgmt.", Integ. Network Mgmt. I, Meandzya, B. et al (Eds.) 1989 pp. 365-376.

Scott, K., "Taking Care of Business with SNMP", Data Communications, Mar. 21, 1990, pp. 31-41.

Presuhn, R., "Considering CMIP", Data Communications, Mar. 21, 1990, pp. 55-60.

ART-UNIT: 231

PRIMARY-EXAMINER: Bayerl; Raymond J.

ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network entity and one or more inference handlers for processing the network data to provide user information. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

14 Claims, 13 Drawing figures

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[First Hit](#) [Fwd Refs](#) [Previous Doc](#) [Next Doc](#) [Go to Doc#](#)

End of Result Set

[Generate Collection](#) [Print](#)

L7: Entry 9 of 9

File: USPT

Nov 9, 1993

US-PAT-NO: 5261044

DOCUMENT-IDENTIFIER: US 5261044 A

**** See image for Certificate of Correction ****

TITLE: Network management system using multifunction icons for information display

DATE-ISSUED: November 9, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dev; Roger H.	Durham	NH		
Gray; Eric W.	Manchester	NH		
Rustici; Eric S.	Londonderry	NH		
Scott; Walter P.	Salem	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Cabletron Systems, Inc.	Rochester	NH			02

APPL-NO: 07/788936 [PALM]

DATE FILED: November 7, 1991

PARENT-CASE:

CROSS REFERENCE TO RELATED APPLICATION This application is a division of application Ser. No. 07/583,509 filed Sep. 17, 1990.

INT-CL-ISSUED: [05] G06F 15/62

US-CL-ISSUED: 395/159

US-CL-CURRENT: 715/855; 709/223, 715/775, 715/808, 715/839, 715/969

FIELD-OF-CLASSIFICATION-SEARCH: 395/155-161

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#) [Search ALL](#) [Clear](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4251858</u>	February 1981	Cambique et al.	395/200 X

<input type="checkbox"/>	<u>4545011</u>	October 1985	Lyon et al.	364/200
<input type="checkbox"/>	<u>4695946</u>	September 1987	Andreasen et al.	395/575
<input type="checkbox"/>	<u>4701845</u>	October 1987	Andreasen et al.	395/575
<input type="checkbox"/>	<u>4833592</u>	May 1989	Yamanaka	364/188 X
<input type="checkbox"/>	<u>4858152</u>	August 1989	Estes	364/521
<input type="checkbox"/>	<u>5008853</u>	April 1991	Bly et al.	395/100
<input type="checkbox"/>	<u>5038318</u>	August 1991	Roseman	395/375
<input type="checkbox"/>	<u>5049873</u>	September 1991	Robins et al.	340/825.06

OTHER PUBLICATIONS

Cantone, R. et al, "Model-Based Prob. Reasoning for Elect. Troubleshooting", Proc. 8th Int'l. Jt. Conf. on AI, Aug. 8-12, 1983, pp. 207-211.

Hseush, W. et al, "A Network Arch. for Reliable Dist. Comp.", Proc. 1987, Symp. on Simulation of Computer Networks, pp. 11-22.

Jones, E., et al., "Monitoring and Analysis Strat. for Digital Networks", IEEE J. on Selected Areas in Comm., Vol. 6, No. 4, May 1988, pp. 715-721.

Sutter, M. et al, "Des. Expert Sys. for Real-Time Diag. of Self-Correcting Networks", IEEE Network Magazine, Sep. 1988, pp. 43-51.

Feldkhun, L. et al, "Event Mgmt. as a Common Funct. Area of Open Syst. Mgmt.", Integ. Network Mgmt. I, Meandzya, B. et al. (Eds.) 1989 pp. 365-376.

Scott, K., "Taking Care of Business with SNMP", Data Communications, Mar. 21, 1990, pp. 31-41.

Presuhn, R., "Considering CMIP", Data Communications, Mar. 21, 1990, pp. 55-60.

ART-UNIT: 231

PRIMARY-EXAMINER: Herndon; Heather R.

ATTY-AGENT-FIRM: Wolf, Greenfield & Sacks

ABSTRACT:

A network management system includes a user interface, a virtual network and a device communication manager. The virtual network includes models which represent network entities and model relations which represent relations between network entities. Each model includes network data relating to a corresponding network device and one or more inference handlers for processing the network data to provide user information. The system performs a fault isolation technique wherein the fault status of a network device is suppressed when it is determined that the device is not defective. User displays include hierarchical location views and topological views of the network configuration. Network devices are represented on the displays by multifunction icons which permit the user to select additional displays showing detailed information regarding different aspects of the corresponding network device.

23 Claims, 13 Drawing figures

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9/343 550

Refine Search

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Search Results -

Terms	Documents
L28 and ((fraud\$ near2 (gross\$ or total\$ or sum\$)) with (check\$ or verif\$))	0

Database:

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

EPO Abstracts Database

JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:

Search History

DATE: Monday, May 15, 2006 [Printable Copy](#) [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
<i>DB=PGPB,USPT,USOC; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L29</u>	L28 and ((fraud\$ near2 (gross\$ or total\$ or sum\$)) with (check\$ or verif\$))	0	<u>L29</u>
<u>L28</u>	l25 or l26 or l27	165	<u>L28</u>
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
<u>L27</u>	(5466918 5025373 5537315 5648648 5790674 4993068 4017835 5206803 5053608 4736294 3711833 4890228 5559895 5180901 5367572 4683536 5870721 5218539 5679938 5611052 5613012 5576951 4491725 4600828 5305196 5416306 5604341 5778178 5083270 4858121 5025138 3569619 4675815 4649832 5202825 5337358 5241620 5224173 5274547 5231571 4965821 4995081 5878405 5220501 4672377 4156911 4992939 5193057 5602933 5259025 4023013 5965859 5023904 5239462 4646250 3970992	74	<u>L27</u>

5361201 | 5657389 | 5095196 | 5297202 | 5056141 | 4648037 | 5049862 |
5321751 | 4598367 | 5832464 | 4730252 | 4958368 | 5131038 | 5436970 |
5774883 | 4991205 | 5699527 | 5903225)! [PN]

L26 ('5940811' '5870721' '6070141' '6088686') [PN] 4 L26

L25 ('5940811' '5870721' '6070141' '6088686') [URPN] 89 L25
DB=EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L24 L23 and ((fraud\$ near2 (gross\$ or total\$ or sum\$)) with (check\$ or verif\$)) 0 L24

L23 (compar\$ with (scor\$ or rank\$ or grad\$)) and (order\$ with (internet\$ or network\$ or online\$)) 19 L23

L22 (compar\$ with (scor\$ or rank\$ or grad\$)) (internet\$ or network\$ or online\$) 612363 L22
DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L21 L20 and (compar\$ with (scor\$ or rank\$ or grad\$)) 4 L21

L20 6088686.pn. or 6070141.pn. or 5940811.pn. or 5870721.pn. 4 L20
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR

L19 L6 and (compar\$ with (scor\$ or rank\$ or grad\$)) 4 L19

L18 L8 and (compar\$ with (scor\$ or rank\$ or grad\$)) 0 L18

L17 L16 and (fraud\$ with (gross\$ or total\$ or sum\$)) 1 L17

L16 6430305.pn. 2 L16

L15 L7 and (fraud\$ with (gross\$ or total\$ or sum\$)) 1 L15

L14 L9 and (fraud\$ with (gross\$ or total\$ or sum\$)) 0 L14

L13 L10 and (fraud\$ with (gross\$ or total\$ or sum\$)) 0 L13

L12 L10 and ((fraud\$ with (gross\$ or total\$ or sum\$)) with (check\$ or verif\$)) 0 L12

L11 L10 and ((fraud\$ near2 (gross\$ or total\$ or sum\$)) with (check\$ or verif\$)) 0 L11

L10 L9 and (fraud\$ with (scor\$ or grad\$)) 0 L10

L9 L8 and ((purchas\$ or order\$) with (items or product\$ or goods or merchandi\$ or servic\$)) 27 L9

L8 L7 and (bill\$ or invoic\$) and ship\$ 27 L8

L7 L6 and compar\$ and authori\$ 58 L7

L6 L5 and database and (fraud\$ with (check\$ or verif\$)) 75 L6

L5 L3 or L4 1140 L5

L4 L2 and @pd<=19981019 316 L4

L3 L2 and @ad<=19981019 1129 L3

L2 L1 and (internet\$ or network\$ or online\$) 7746 L2

L1 705/76,26,38,35,42,44,70,75.ccls. 8610 L1

END OF SEARCH HISTORY

Hit List

First Hit

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 10 of 27 returned.

1. Document ID: US 6460020 B1

Using default format because multiple data bases are involved.

L9: Entry 1 of 27

File: USPT

Oct 1, 2002

US-PAT-NO: 6460020

DOCUMENT-IDENTIFIER: US 6460020 B1

TITLE: Universal shopping center for international operation

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pool; Ed	Union Hall	VA		
Mauer; Doug	Blacksburg	VA		

US-CL-CURRENT: 705/26; 705/17

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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2. Document ID: US 6336098 B1

L9: Entry 2 of 27

File: USPT

Jan 1, 2002

US-PAT-NO: 6336098

DOCUMENT-IDENTIFIER: US 6336098 B1

TITLE: Method for electronic distribution and redemption of coupons on the world wide web

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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3. Document ID: US 6253027 B1

L9: Entry 3 of 27

File: USPT

Jun 26, 2001

US-PAT-NO: 6253027
DOCUMENT-IDENTIFIER: US 6253027 B1

TITLE: System, method and article of manufacture for exchanging software and configuration data over a multichannel, extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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4. Document ID: US 6178409 B1

L9: Entry 4 of 27

File: USPT

Jan 23, 2001

US-PAT-NO: 6178409
DOCUMENT-IDENTIFIER: US 6178409 B1

TITLE: System, method and article of manufacture for multiple-entry point virtual point of sale architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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5. Document ID: US 6163771 A

L9: Entry 5 of 27

File: USPT

Dec 19, 2000

US-PAT-NO: 6163771
DOCUMENT-IDENTIFIER: US 6163771 A

TITLE: Method and device for generating a single-use financial account number

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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6. Document ID: US 6122624 A

L9: Entry 6 of 27

File: USPT

Sep 19, 2000

US-PAT-NO: 6122624
DOCUMENT-IDENTIFIER: US 6122624 A

TITLE: System and method for enhanced fraud detection in automated electronic purchases

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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7. Document ID: US 6119105 A

L9: Entry 7 of 27

File: USPT

Sep 12, 2000

US-PAT-NO: 6119105
DOCUMENT-IDENTIFIER: US 6119105 A

TITLE: System, method and article of manufacture for initiation of software distribution from a point of certificate creation utilizing an extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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8. Document ID: US 6105010 A

L9: Entry 8 of 27

File: USPT

Aug 15, 2000

US-PAT-NO: 6105010

DOCUMENT-IDENTIFIER: US 6105010 A

TITLE: Biometric certifying authorities

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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9. Document ID: US 6072870 A

L9: Entry 9 of 27

File: USPT

Jun 6, 2000

US-PAT-NO: 6072870

DOCUMENT-IDENTIFIER: US 6072870 A

TITLE: System, method and article of manufacture for a gateway payment architecture utilizing a multichannel, extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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10. Document ID: US 6041315 A

L9: Entry 10 of 27

File: USPT

Mar 21, 2000

US-PAT-NO: 6041315

DOCUMENT-IDENTIFIER: US 6041315 A

**** See image for Certificate of Correction ****

TITLE: Automated payment system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L8 and ((purchas\$ or order\$) with (items or product\$ or goods or merchandi\$ or servic\$))	27

Hit List

First Hit

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 11 through 20 of 27 returned.

11. Document ID: US 6029154 A

Using default format because multiple data bases are involved.

L9: Entry 11 of 27

File: USPT

Feb 22, 2000

US-PAT-NO: 6029154

DOCUMENT-IDENTIFIER: US 6029154 A

TITLE: Method and system for detecting fraud in a credit card transaction over the internet

DATE-ISSUED: February 22, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Pettitt; John Philip	Los Altos	CA		

US-CL-CURRENT: [705/44](#); [705/38](#), [705/39](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Spillages	Attachments	Claims	KWIC	Draw De
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12. Document ID: US 6026379 A

L9: Entry 12 of 27

File: USPT

Feb 15, 2000

US-PAT-NO: 6026379

DOCUMENT-IDENTIFIER: US 6026379 A

TITLE: System, method and article of manufacture for managing transactions in a high availability system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Spillages	Attachments	Claims	KWIC	Draw De
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13. Document ID: US 6002767 A

L9: Entry 13 of 27

File: USPT

Dec 14, 1999

US-PAT-NO: 6002767

DOCUMENT-IDENTIFIER: US 6002767 A

**** See image for Certificate of Correction ****

TITLE: System, method and article of manufacture for a modular gateway server architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Draw. De
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 14. Document ID: US 5987132 A

L9: Entry 14 of 27

File: USPT

Nov 16, 1999

US-PAT-NO: 5987132

DOCUMENT-IDENTIFIER: US 5987132 A

**** See image for Certificate of Correction ****

TITLE: System, method and article of manufacture for conditionally accepting a payment method utilizing an extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Draw. De
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 15. Document ID: US 5983208 A

L9: Entry 15 of 27

File: USPT

Nov 9, 1999

US-PAT-NO: 5983208

DOCUMENT-IDENTIFIER: US 5983208 A

TITLE: System, method and article of manufacture for handling transaction results in a gateway payment architecture utilizing a multichannel, extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Draw. De
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 16. Document ID: US 5982891 A

L9: Entry 16 of 27

File: USPT

Nov 9, 1999

US-PAT-NO: 5982891

DOCUMENT-IDENTIFIER: US 5982891 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C	Draw. De
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 17. Document ID: US 5966698 A

L9: Entry 17 of 27

File: USPT

Oct 12, 1999

US-PAT-NO: 5966698
DOCUMENT-IDENTIFIER: US 5966698 A

TITLE: Automated payment system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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18. Document ID: US 5943424 A

L9: Entry 18 of 27

File: USPT

Aug 24, 1999

US-PAT-NO: 5943424
DOCUMENT-IDENTIFIER: US 5943424 A

TITLE: System, method and article of manufacture for processing a plurality of transactions from a single initiation point on a multichannel, extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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19. Document ID: US 5915019 A

L9: Entry 19 of 27

File: USPT

Jun 22, 1999

US-PAT-NO: 5915019
DOCUMENT-IDENTIFIER: US 5915019 A

TITLE: Systems and methods for secure transaction management and electronic rights protection

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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20. Document ID: US 5895455 A

L9: Entry 20 of 27

File: USPT

Apr 20, 1999

US-PAT-NO: 5895455
DOCUMENT-IDENTIFIER: US 5895455 A

TITLE: Document image display system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L8 and ((purchas\$ or order\$) with (items or product\$ or goods or merchandi\$ or servic\$))	27

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 21 through 27 of 27 returned.

21. Document ID: US 5889863 A

Using default format because multiple data bases are involved.

L9: Entry 21 of 27

File: USPT

Mar 30, 1999

US-PAT-NO: 5889863

DOCUMENT-IDENTIFIER: US 5889863 A

TITLE: System, method and article of manufacture for remote virtual point of sale processing utilizing a multichannel, extensible, flexible architecture

DATE-ISSUED: March 30, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Weber; Jay C.	Menlo Park	CA		

US-CL-CURRENT: [705/76](#); [705/26](#), [705/39](#), [705/40](#), [705/44](#), [705/77](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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22. Document ID: US 5870725 A

L9: Entry 22 of 27

File: USPT

Feb 9, 1999

US-PAT-NO: 5870725

DOCUMENT-IDENTIFIER: US 5870725 A

TITLE: High volume financial image media creation and display system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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23. Document ID: US 5850446 A

L9: Entry 23 of 27

File: USPT

Dec 15, 1998

US-PAT-NO: 5850446

DOCUMENT-IDENTIFIER: US 5850446 A

TITLE: System, method and article of manufacture for virtual point of sale processing utilizing an extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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24. Document ID: US 5812668 A

L9: Entry 24 of 27

File: USPT

Sep 22, 1998

US-PAT-NO: 5812668

DOCUMENT-IDENTIFIER: US 5812668 A

TITLE: System, method and article of manufacture for verifying the operation of a remote transaction clearance system utilizing a multichannel, extensible, flexible architecture

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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25. Document ID: US 5727249 A

L9: Entry 25 of 27

File: USPT

Mar 10, 1998

US-PAT-NO: 5727249

DOCUMENT-IDENTIFIER: US 5727249 A

TITLE: Automated payment system and method

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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26. Document ID: US 5691524 A

L9: Entry 26 of 27

File: USPT

Nov 25, 1997

US-PAT-NO: 5691524

DOCUMENT-IDENTIFIER: US 5691524 A

**** See image for Certificate of Correction ****

TITLE: Electronic check presentment system having a non-ECP exceptions notification system incorporated therein

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw. De
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27. Document ID: US 5256863 A

L9: Entry 27 of 27

File: USPT

Oct 26, 1993

US-PAT-NO: 5256863

DOCUMENT-IDENTIFIER: US 5256863 A

**** See image for Certificate of Correction ****

TITLE: In-store universal control system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstracts	Abstracts	Claims	KWIC	Draw De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
L8 and ((purchas\$ or order\$) with (items or product\$ or goods or merchandi\$ or servic\$))	27

Display Format:

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

Hit List

First Hit Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 6088686 A

Using default format because multiple data bases are involved.

L19: Entry 1 of 4

File: USPT

Jul 11, 2000

US-PAT-NO: 6088686

DOCUMENT-IDENTIFIER: US 6088686 A

TITLE: System and method to performing on-line credit reviews and approvals

DATE-ISSUED: July 11, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walker; Darcy	Chicago	IL		
Sussman; Lawrence J.	New York	NY		
Mayr; Mona	Naperville	IL		
Dean, Jr.; Charles G.	Villa Park	IL		
Seib; Dennis	St. Peters	MO		
Musci; Richard	Raleigh	NC		
Marino; Glenn	Cincinnati	OH		

US-CL-CURRENT: [705/38](#); [235/375](#), [235/379](#), [235/383](#), [705/35](#), [705/39](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/M/C	Draw De
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2. Document ID: US 6070141 A ✓

L19: Entry 2 of 4

File: USPT

May 30, 2000

US-PAT-NO: 6070141

DOCUMENT-IDENTIFIER: US 6070141 A

TITLE: System and method of assessing the quality of an identification transaction using an identificaion quality score

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K/M/C	Draw De
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3. Document ID: US 5940811 A

L19: Entry 3 of 4

File: USPT

Aug 17, 1999

US-PAT-NO: 5940811

DOCUMENT-IDENTIFIER: US 5940811 A

** See image for Reexamination Certificate **

TITLE: Closed loop financial transaction method and apparatus

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw De
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4. Document ID: US 5870721 A

L19: Entry 4 of 4

File: USPT

Feb 9, 1999

US-PAT-NO: 5870721

DOCUMENT-IDENTIFIER: US 5870721 A

** See image for Reexamination Certificate **

TITLE: System and method for real time loan approval

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw De
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Terms	Documents
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L21: Entry 1 of 4

File: USPT

Jul 11, 2000

DOCUMENT-IDENTIFIER: US 6088686 A

TITLE: System and method to performing on-line credit reviews and approvals

Brief Summary Text (10):

The present invention solves this problem by providing a user-friendly on-line computerized system that streamlines the processing of applications for products and services offered by a financial institution, that automates many steps in the review and approval process, that performs background credit worthiness comparisons based upon an applicant's credit score, financial information and new or existing relationship with the financial institution, if any, that recommends to those applicants who exceed the initial criteria for credit consideration specific credit products with predetermined credit qualified offer amounts, and that ensures the required operating (credit/liability) policies are appropriately completed.

CLAIMS:

6. The method according to claim 4, further comprising the steps of:

e) comparing said applicant's application score against an approved cutoff value; and

f) referring an applicant's application that fails to meet said approval cutoff value to a manual review.

26. A method for performing an automatic on-line review of an applicant's application for a product or service offered by a financial institution, in real-time, comprising:

receiving a first set of data into a data processing and communication system, said data relating to information provided by said applicant;

receiving a second set of data into said data processing and communication system, said second set of data relating to the product or service requested by said applicant;

using said first data to identify on a real time basis a relationship profile with said applicant, said relationship profile being based upon an amount of assets and liabilities said applicant has with the financial institution;

performing a fraud verification on said first set of data;

gathering credit reports from at least one credit bureau using said first set of data, comparing said credit reports against a minimum disaster/policy criteria;

determining a debt burden code and assigning said code to said applicant's application and assigning a scoring response code to said applicant's application; and

comparing said scoring response code to a turndown cutoff value.

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L21: Entry 2 of 4

File: USPT

May 30, 2000

DOCUMENT-IDENTIFIER: US 6070141 A

TITLE: System and method of assessing the quality of an identification transaction using an identificaon quality score

Abstract Text (1):

A system and method of assessing the quality of an identification transaction is disclosed. The method includes the following steps: registering a plurality of persons to be identified by providing at least two identification information (ID) units corresponding to each person and storing the ID units in an identification database; assigning an identification quality score to each ID unit; presenting a first ID unit to initiate a transaction where identification is desired; inputting the first ID unit into a point of identification (POI) terminal; establishing a communications link between the POI terminal and the identification database; transmitting the first ID unit to the identification database; searching the identification database and retrieving at least one second ID unit stored in the identification database along with the identification quality score(s) assigned to the retrieved second ID unit(s); transmitting the second ID unit(s) to the POI terminal; displaying the second ID unit(s) and their associated identification quality score(s) on a POI terminal display; comparing the displayed second ID unit with a corresponding second ID unit physically presented by the person being identified; acknowledging a match by entering a command into the POI terminal; storing first, second ID units and transaction information as a transaction record; and adjusting identification quality scores based on historical data.

Detailed Description Text (31):

Once the retrieved digital photographic image(s) and the identification quality score(s) or derivatives thereof associated with the retrieved image(s) are displayed at the point of identification terminal, the store clerk, or other person responsible for identity verification, would visually compare the image(s) displayed on the display means with the physical appearance of the person being identified at the point of identification terminal. If a match exists, then the clerk would input a specified key or keystroke sequence on input keypad 5 to indicate that the clerk, in fact, verified that an identity match exists.

Detailed Description Text (32):

In more sophisticated embodiments of the invention, the biometric comparison may be accomplished using an automated comparison system, such as those well known in the art, to analyze and compare such biometric as fingerprints, retinal images or the like. In these embodiments, the clerk verification input may not be required. However, in the case where the automated biometric comparison system does not result in an approved match or when the identification quality score associated with the retrieved image indicates that additional, human identification steps or methods are required, then the system will require a clerk verification input after the supplemental identification comparison steps are satisfactorily completed.

Detailed Description Text (38):

The identifier present will also review the displayed identification quality score or the derivative thereof associate with the second identifying information unit displayed and apply heightened scrutiny in comparing the same with the physically presented second identifying information unit if the displayed identification

quality score or derivative so dictates.

CLAIMS:

11. A method of assessing the identity of a person initiating a non cash-based financial instrument transaction comprising the steps of:

accepting a non cash financial instrument from a person initiating said non cash-based financial transaction, said non cash-based financial instrument including an account number identifying a financial account from which funds necessary to complete said non cash-based financial transaction may be drawn;

inputting said account number into a point of identification terminal;

establishing a communications link between said point of identification terminal and a remote database site, said database site having stored therein an identification database comprising a plurality of identification information units, each said identification information unit mapped to at least one account number, said identification information units corresponding to persons authorized to initiate financial transactions using said financial account, each said identification information unit further having an identification quality score associated therewith, said identification quality scores stored in an identification quality database at said remote database site;

transmitting said account number from said point of identification terminal to said remote database site over said communications link;

searching said identification database and retrieving at least one identification information unit stored in said identification database, which is mapped to said transmitted account number;

searching said identification quality score database and retrieving said identification quality score assigned to each said retrieved identification information unit;

transmitting each said retrieved identification information unit and each said retrieved identification quality score assigned thereto to said point of identification terminal over said communications link;

displaying each said transmitted identification information unit and an identification quality indicator on a display at said point of identification terminal;

comparing each said displayed identification information unit with a corresponding identification information unit physically presented by the person being identified at said point of identification and reviewing said displayed identification quality score to identify non cash-based financial transactions where heightened identification scrutiny is required;

acknowledging the positive identification of said person being identified if a match exists between at least one of said displayed identification information units and said corresponding identification information unit physically presented by the person being identified;

storing said displayed, matching identification information unit along with transaction information as a transaction record; and

adjusting said identification quality score stored in said identification quality score database based on historical data acquired and stored at said remote database site.

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L21: Entry 3 of 4

File: USPT

Aug 17, 1999

DOCUMENT-IDENTIFIER: US 5940811 A

**** See image for Reexamination Certificate ****

TITLE: Closed loop financial transaction method and apparatus

CLAIMS:

1. An automatic loan processing system providing real time loan processing without human intervention for applicants located at a remote interface, said system comprising:

a. a remote applicant interface adapted to:

i. allow a loan applicant to remotely request a loan from a financial institution; and

ii. receive data from the loan applicant;

b. a data processing system with associated memory having weighted underwriting criteria bearing on the ability and willingness of a borrower to repay a loan based on prescribed data obtained from the borrower and information about the borrower obtained from at least one database containing information about the borrower relevant to the ability and willingness of the borrower to repay a loan;

c. a communication network electronically coupling said data processing system to said applicant interface;

d. without human assistance, said data processing system adapted to:

i. receive the data from the applicant received at the applicant interface;

ii. access the at least one database for information relevant to the loan applicant's ability and willingness to repay the loan;

iii. compare certain of the information received from the loan applicant and certain of the information received from said at least one database relevant to the applicant's ability and willingness to repay the loan with said weighted underwriting criteria to provide an underwriting score;

iv. based on the underwriting score, determine in real time and without human assistance if the loan applicant's requested loan is approved; and

v. send a result to the remote applicant interface informing the loan applicant whether or not the requested loan was approved.

8. An automatic loan processing system providing real time loan processing without human intervention for applicants located at a remote interface, said system comprising:

a. a remote applicant interface adapted to:

- i. allow a loan applicant to remotely request a loan; and
- ii. receive data from the loan applicant;
- b. a data processing system, with associated memory having weighted underwriting criteria bearing on the ability and willingness of a borrower to repay a loan based on prescribed data obtained from the borrower and information about the borrower from at least one database containing information about the borrower relevant to the ability and willingness of the borrower to repay a loan;
- c. a communication network electronically coupling said data processing system to said applicant interface;
- d. without human assistance, said data processing system adapted to:
 - i. receive the data from the applicant received at the applicant interface
 - ii. access the at least one database for information relevant to the applicant's identity and for information relevant to the applicant's ability and willingness to repay the obligation;
 - iii. verify the loan applicant's identity by comparing certain of the information received from the applicant with certain of the information received from said at least one database relevant to the applicant's identity;
 - iv. compare certain of the information received from the applicant and certain of the information received from said at least one database relevant to the applicant's ability and willingness to repay the credit obligation with said weighted underwriting criteria to provide an underwriting score;
 - v. based on the underwriting score, determine in real time and without human assistance if the applicant's requested loan is approved; and
 - vi. send a result to the remote applicant interface informing the loan applicant whether or not the requested loan was approved.

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PALM Intranet

Application Number

IDS Flag Clearance for Application

**IDS
Information**

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L26: Entry 3 of 4

File: USPT

Aug 17, 1999

US-PAT-NO: 5940811

DOCUMENT-IDENTIFIER: US 5940811 A

**** See image for Reexamination Certificate ****

TITLE: Closed loop financial transaction method and apparatus

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Norris; Jeffrey A.	Lexington	SC		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Affinity Technology Group, Inc.	Columbia	SC			02

APPL-NO: 08/732584 [PALM]

DATE FILED: October 15, 1996

PARENT-CASE:

This is a file wrapper continuation of application Ser. No. 08/327,653 filed Oct. 24, 1994, which is a continuation-in-part application of application Ser. No. 08/113,205 filed on Aug. 27, 1993, both now abandoned .

INT-CL-ISSUED: [06] G06 F 17/60

US-CL-ISSUED: 705/38; 705/35, 705/39, 705/42, 705/43

US-CL-CURRENT: 705/38, 705/35, 705/39, 705/42, 705/43

FIELD-OF-CLASSIFICATION-SEARCH: 395/238, 705/35, 705/38, 705/39, 705/42, 705/43
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#) [Search ALL](#) [Clear](#)

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<input type="checkbox"/>	<u>4017835</u>	April 1977	Randolph	
<input type="checkbox"/>	<u>4491725</u>	January 1985	Pritchard	
<input type="checkbox"/>	<u>4598367</u>	July 1986	DeFrancesco et al.	

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<input type="checkbox"/>	<u>4649832</u>	March 1987	Hain et al.	
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<input type="checkbox"/>	<u>4683536</u>	July 1987	Yamamoto	
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ART-UNIT: 271

PRIMARY-EXAMINER: Hayes; Gail O.

ASSISTANT-EXAMINER: Hughet; William N.

ATTY-AGENT-FIRM: Rhodes, Coats & Bennett, L.L.P.

ABSTRACT:

A method and apparatus for closed loop, automatic processing of typical financial transactions, including loans, setting up checking, savings and individual retirement accounts, obtaining cashier's checks, ordering additional checks, issuing credit and debit cards, wire transferring money, and so on. The transactions are provided from a kiosk and controlled by a computer controller interacting with the consumer. In the case of loans, a computer controller helps the consumer in the completion of the application, performs the underwriting, and transfers funds. The computer controller obtains the information needed to process the application, determines whether to approve the loan, effects electronic fund transfers to the applicant's deposit account and arranges for automatic withdrawals to repay the loan. The computer controller reviews documentation requirements including consumer lending and other required documentation with the consumer and obtains acknowledgment of acceptance of terms by having the consumer sign an electronic signature pad. Copies of documents with a digital photograph are printed out by a printer in the kiosk for the consumer. Finally, the kiosk has the capability of imprinting a credit or debit card in response to a consumer request.

8 Claims, 3 Drawing figures

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L26: Entry 2 of 4

File: USPT

May 30, 2000

US-PAT-NO: 6070141

DOCUMENT-IDENTIFIER: US 6070141 A

TITLE: System and method of assessing the quality of an identification transaction using an identificaion quality score

DATE-ISSUED: May 30, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Houvener; Robert C.	Nashua	NH		
Hoenisch; Ian P.	Salem	NH		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Image Data, LLC	Nashua	NH			02

APPL-NO: 09/124149 [\[PALM\]](#)

DATE FILED: July 28, 1998

PARENT-CASE:

RELATED APPLICATION This is a Continuation-in-Part of application Ser. No. 08/684,677 filed Jul. 19, 1996, now U.S. Pat. No. 5,790,674 which is a Continuation-in-Part of application Ser. No. 08/436,146, filed May 8, 1995, now U.S. Pat. No. 5,657,389, issued Aug. 12, 1997.

INT-CL-ISSUED: [07] G06 F 17/60, C06 K 5/00

US-CL-ISSUED: 705/1; 705/44, 705/18, 705/39, 705/41, 705/76, 235/380

US-CL-CURRENT: ~~705/1~~, ~~235/380~~, ~~705/18~~, ~~705/39~~, 705/41, 705/44, 705/76

FIELD-OF-CLASSIFICATION-SEARCH: 705/16, 705/18, 705/39, 705/41, 705/44, 705/45, 705/1, 705/76, 235/380

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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<input type="checkbox"/>	<u>5965859</u>	October 1999	DiVincenzo et al.	235/380

ART-UNIT: 274

PRIMARY-EXAMINER: Trammell; James P.

ASSISTANT-EXAMINER: Rosen; Nicholas David

ATTY-AGENT-FIRM: Bourque & Associates, P.A.

ABSTRACT:

A system and method of assessing the quality of an identification transaction is disclosed. The method includes the following steps: registering a plurality of persons to be identified by providing at least two identification information (ID) units corresponding to each person and storing the ID units in an identification database; assigning an identification quality score to each ID unit; presenting a first ID unit to initiate a transaction where identification is desired; inputting the first ID unit into a point of identification (POI) terminal; establishing a communications link between the POI terminal and the identification database; transmitting the first ID unit to the identification database; searching the identification database and retrieving at least one second ID unit stored in the identification database along with the identification quality score(s) assigned to the retrieved second ID unit(s); transmitting the second ID unit(s) to the POI terminal; displaying the second ID unit(s) and their associated identification quality score(s) on a POI terminal display; comparing the displayed second ID unit with a corresponding second ID unit physically presented by the person being identified; acknowledging a match by entering a command into the POI terminal; storing first, second ID units and transaction information as a transaction record; and adjusting identification quality scores based on historical data.

22 Claims, 7 Drawing figures

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1. Document ID: US 6430305 B1

Using default format because multiple data bases are involved.

L16: Entry 1 of 2

File: USPT

Aug 6, 2002

US-PAT-NO: 6430305

DOCUMENT-IDENTIFIER: US 6430305 B1

TITLE: Identity verification methods

DATE-ISSUED: August 6, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Decker; Joseph E.	San Jose	CA		

US-CL-CURRENT: 382/116; 340/5.41, 340/5.53, 340/5.83, 382/124, 382/156, 382/228, 705/44, 902/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Abstracts	Claims	KWIC	Draw De
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2. Document ID: US 6430305 B1

L16: Entry 2 of 2

File: DWPI

Aug 6, 2002

DERWENT-ACC-NO: 2002-673111

DERWENT-WEEK: 200272

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TITLE: Identity verification method involves estimating likelihood of transaction being fraudulent and signature being that of authorized person, and producing combined probability estimate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Abstracts	Claims	KWIC	Draw De
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Terms	Documents
6430305.pn.	2

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L16: Entry 2 of 2

File: DWPI

Aug 6, 2002

DERWENT-ACC-NO: 2002-673111
DERWENT-WEEK: 200272
COPYRIGHT 2006 DERWENT INFORMATION LTD

TITLE: Identity verification method involves estimating likelihood of transaction being fraudulent and signature being that of authorized person, and producing combined probability estimate

INVENTOR: DECKER, J E

PATENT-ASSIGNEE: SYNAPTICS INC (SYNAN)

PRIORITY-DATA: 1996US-0771707 (December 20, 1996)

Search Selected **Search ALL** **Clear**

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>US 6430305 B1</u>	August 6, 2002		012	G06K009/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 6430305B1	December 20, 1996	1996US-0771707	

INT-CL (IPC): G06 K 9/00

ABSTRACTED-PUB-NO: US 6430305B
BASIC-ABSTRACT:

NOVELTY - Statistical estimators estimate the likelihood of a transaction being fraudulent. A statistical signature validity estimator computes the likelihood of a particular signature from a signature processing system being that of a person authorized to sign on the account based on an exemplar of the particular signature and a history of previous signatures. A combiner produces a combined probability estimate.

USE - For credit or cash debit transactions.

ADVANTAGE - Enables identification of bogus transactions to be made more quickly.

DESCRIPTION OF DRAWING(S) - The figure is a flow diagram of the identity verification method.

ABSTRACTED-PUB-NO: US 6430305B
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg. 3/5

DERWENT-CLASS: T01 T04 T05

EPI-CODES: T01-J10B2A; T01-N01A1; T04-D04; T05-L02;

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L17: Entry 1 of 1

File: USPT

Aug 6, 2002

DOCUMENT-IDENTIFIER: US 6430305 B1

TITLE: Identity verification methods

Detailed Description Text (58):

After the probabilities have been combined, the credit card issuer then uses some evaluation of the cost of accepting (given this final probability estimate) vs. the cost of denying credit. For example, it is assumed that the system determines a final 30% probability of this being a legitimate transaction (a 70% probability of the transaction being fraudulent). At this point, the credit card issuer compares the total cost of accepting the transaction (the chance that it's fraudulent times the cost, or in this case, $0.70 \times \$3,000 = \2100.00). The credit card issuer then compares this cost with the cost of denying the transaction: \$50 to notify the customer card has been revoked, plus the cost of the danger that the customer will be displeased enough to close the account. The latter risk may be estimated as the probability that transaction was really valid (30%) multiplied by a 50% chance of the customer canceling card because he or she was improperly denied credit multiplied by the estimated profit on the card for the lifetime of the card in current dollars (assumed for this example to be \$9,000.00). This comes out to \$1350.00 ($0.3 \times 0.5 \times \$9,000.00$), or \$1400.00 including the cost of notification.

[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)

[First Hit](#) [Fwd Refs](#)[Previous Doc](#)[Next Doc](#)[Go to Doc#](#)**End of Result Set** [Generate Collection](#) [Print](#)

L26: Entry 4 of 4

File: USPT

Feb 9, 1999

US-PAT-NO: [5870721](#)

DOCUMENT-IDENTIFIER: US 5870721 A

**** See image for [Reexamination Certificate](#) ****

TITLE: System and method for real time loan approval

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Norris; Jeffrey A.	Lexington	SC		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Affinity Technology Group, Inc.	Columbia	SC			02

APPL-NO: 08/729892 [\[PALM\]](#)

DATE FILED: October 15, 1996

PARENT-CASE:

This is a file wrapper continuation of application Ser. No. 08/346,350, filed Nov. 29, 1994, which is a file wrapper continuation application of application Ser. No. 08/113,205 filed on Aug. 27, 1993 both now abandoned.

INT-CL-ISSUED: [06] [G06 F 17/60](#)US-CL-ISSUED: ~~705/38; 705/35, 705/39, 705/42, 705/43~~US-CL-CURRENT: ~~705/38; 705/35, 705/39, 705/42, 705/43~~

FIELD-OF-CLASSIFICATION-SEARCH: 395/238, 395/239, 395/237, 395/235, 395/236, 395/242, 395/243, 395/244, 705/35, 705/38, 705/39, 705/42, 705/43

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected	Search ALL	Clear
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	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	3970992	July 1976	Boothroyd	
<input type="checkbox"/>	4491725	January 1985	Pritchard	
	4598367	July 1986	DeFrancesco	

<input type="checkbox"/>				
<input type="checkbox"/>	<u>4646250</u>	February 1987	Childress	
<input type="checkbox"/>	<u>4648037</u>	March 1987	Valentino	
<input type="checkbox"/>	<u>4649832</u>	March 1987	Hain et al.	109/24.1
<input type="checkbox"/>	<u>4730252</u>	March 1988	Bradshaw	
<input type="checkbox"/>	<u>4890228</u>	December 1989	Longfield	364/408
<input type="checkbox"/>	<u>5049862</u>	September 1991	Dao et al.	
<input type="checkbox"/>	<u>5193057</u>	March 1993	Longfield	364/408
<input type="checkbox"/>	<u>5202825</u>	April 1993	Miller et al.	
<input type="checkbox"/>	<u>5218539</u>	June 1993	Elphick et al.	364/419
<input type="checkbox"/>	<u>5220501</u>	June 1993	Lawlor et al.	
<input type="checkbox"/>	<u>5231571</u>	July 1993	D'Agostino	
<input type="checkbox"/>	<u>5239462</u>	August 1993	Jones et al.	364/408
<input type="checkbox"/>	<u>5241620</u>	August 1993	Ruggiero	395/22
<input type="checkbox"/>	<u>5274547</u>	December 1993	Zoffel et al.	364/408
<input type="checkbox"/>	<u>5297202</u>	March 1994	Kapp et al.	
<input type="checkbox"/>	<u>5361201</u>	November 1994	Jost et al.	395/235
<input type="checkbox"/>	<u>5559895</u>	September 1996	Lee et al.	382/119
<input type="checkbox"/>	<u>5604341</u>	February 1997	Grossi et al.	235/379
<input type="checkbox"/>	<u>5611052</u>	March 1997	Dykstra et al.	395/238

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
5101250	April 1993	JP	

OTHER PUBLICATIONS

Mortgage Ware 5.4d--Interling Software Co 11255 Kirkland Way, Kirkland, WA 98033--
 Judith M. Berrett (206) 827-1112; (800) 569-1234.

Electronic Network Will Link Car Dealers to Many Lenders: Goal is to Create a Form
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Management Technologies Inc (MTI); "ManTec 3.4"; DIALOG(R)File 01198196; 1982.

Rothfeder, Jeffrey; "Electronic Bill-Paying for the Little Guy"; Business Week;
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"Neural Networks: A Logical Progression in Credit and Marketing Decisions Systems", Credit World, Mar./Apr. 1993, pp. 26-33, Alan Jost.

ART-UNIT: 271

PRIMARY-EXAMINER: Hayes; Gail O.

ASSISTANT-EXAMINER: Hughet; William N.

ATTY-AGENT-FIRM: Rhodes, Coats & Bennett, L.L.P.

ABSTRACT:

A method and apparatus for closed loop, automatic processing a loan, including completion of the application, underwriting, and transferring funds, includes use of a programmed computer to interface with an applicant, obtain the information needed to process the loan, determine whether to approve the loan, and effect electronic fund transfers to the applicant's deposit account and arrange for automatic withdrawals to repay the loan. Information is received from the applicant preferably by using voice recognition technology but alternatively by entering the alpha-numeric information using a personal computer keyboard or using the buttons on a telephone. The loan approval determination is made using a neural network with input obtained in part from the applicant and in part from databases accessed by the computer, such as a credit bureau, to obtain a credit report. The loan agreement is transmitted by facsimile to and from the applicant when the applicant has access to a facsimile machine or datafile to be printed or to an agent who delivers the agreement to the applicant when the applicant does not have access. In a preferred embodiment, the applicant accesses the computer from a kiosk where the complete transaction can take place as the applicant waits.

30 Claims, 3 Drawing figures

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Items	File
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Examined 50	files
Examined 100	files
Examined 150	files
Examined 200	files
Examined 250	files
Examined 300	files
Examined 350	files

No files have one or more items; file list includes 368 files.
One or more terms were invalid in 4 files.

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Your SELECT statement is:

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1	13: BAMP_2006/Apr W5

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Your SELECT statement is:

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Items	File
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Examined 50	files
Examined 100	files
Examined 150	files
Examined 200	files

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Robert S. Alvin

Serial No.: 09/343,550

Filed: June 30, 1999

For: Multi-level Fraud Check with
Dynamic Feedback for Internet
Commerce

Art Unit: 3625

Examiner: Cuong H. Nguyen

Tel: (571) 272-3765

Office Action Mailed On:

October 2, 2004

RECEIVED

JAN 06 2005

OFFICE OF PETITIONS**CERTIFICATE OF MAILING (37 CFR § 1.8)**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450I hereby certify that this correspondence is being deposited
with the United States Postal Service with sufficient postage
as First Class Mail, in an envelope addressed to:Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on _____

Date

By: _____

RESPONSE TO OFFICE ACTION

Dear Examiner:

This paper is responsive to the Office Action mailed on the date shown above. It accompanies a Petition for Revival of an Application for Patent Abandoned Unintentionally under 37 CFR 1.137(b). Should that Petition be granted, this paper is timely.

If there are any additional fees for extension of time, fees for claims, or other fees needed to place this application in condition for allowance, this attorney respectfully requests, and

269.1003.01

authorizes, the Office to charge those fees to Deposit Account No. 50-0365. If there is any overpayment, or there is any other reason for funds to be refunded by the Office, this attorney respectfully requests, and authorizes, the Office to refund those fees by check.

CLAIMS

Please cancel claims 6 – 9 without prejudice or disclaimer.

CLAIM LISTING

1. (Original) An improved internet-centric electronic transaction processor for automating and facilitating retail sale of ones of a plurality of selected products to retail customers directly from a distributor of said products comprising:

a database for storing catalog-type product data for a plurality of selected products;

a communication interface for selectively permitting a retail customer to selectively access said catalog-type product data stored in said database;

an electronic order form for permitting said retail customer to place a purchase order for ones of said selected products;

an order processor for processing said purchase orders for ones of said selected products, said order processor including

a payment authorization processor for checking the credit worthiness of a purchase method of payment before said purchase order is authorized for fulfillment, said payment authorization processor having

a data integrity checker for checking the integrity of said order to determine if the purchase order should be accepted or rejected,

a gross fraud checker for checking the accepted orders from said data integrity checker for fraud based on fraud information stored in said database to determine if the purchase order should be accepted or rejected,

a commercial authorization service for generating a fraud score of the orders accepted by the fraud checker, and

a comparator for comparing said fraud score with a predetermined threshold to determine if the purchase order should be accepted or rejected, and

a distributor authorization processor for authorizing said distributor to fulfill said purchase ordering and authorizing to ship said ordered product to said customer in a manner transparent to said customer; and

a payment processor for billing said retail customer for said ordered product when authorized for shipment.

2. (Original) The improved internet-centric electronic transaction processor of claim 1, further comprising:

A sorting bin for storing the rejected purchase orders and sorting the rejected purchase orders to be altered and reprocessed.

3. (Original) An improved internet-centric electronic transaction processor of claim 2, where in rejected purchases are subjected to human review.

4. (Original) An improved internet-centric electronic transaction method executable by a computer for facilitating automated retail sales of ones of a plurality of selected products to retail customers directly from a distributor of said products comprising the steps of:

generating a catalog-type product data for said products in a selectively addressable database;

permitting ones of said retail customers to selectively access said product data stored in said database and allowing said retail customers to submit purchase orders of said selected products;

processing said purchase orders for ones of said retail customers by determining if said selected product is available from a distributor's inventory stock and authorizing the distributor to ship said selected product to said retail customer in a manner that is transparent to the retail customer;

authorizing said purchase order based on a credit worthiness check of information supplied by said retail customer in connection with said purchase order, said authorizing step including the steps of

performing a data integrity check to determine if the purchase order should be accepted or rejected,

performing a gross fraud check on accepted orders using fraud information stored in said database initially determine if the order should be accepted or rejected,

performing a commercial fraud check on accepted orders to generate a fraud score, and

comparing the fraud score with a predetermined threshold to either accept or reject said purchase order, and

billing said retail customer for said order product when said distributor has been authorized to ship such order product to said retail customer.

5. (Original) The improved internet-centric transaction method of claim 4, further including the step of

sorting said rejected purchase orders to be altered and reprocessed.

Claims 6 – 9 (Cancelled)

REMARKS

There were 9 claims in the original application numbered 1 – 9. With this response there are 5 claims numbered 1 – 5. The status of the claims is as follows: Claims 1-5 (Original) and Claims 6 – 9 (Cancelled). Claims 1 and 4 are the independent claims.

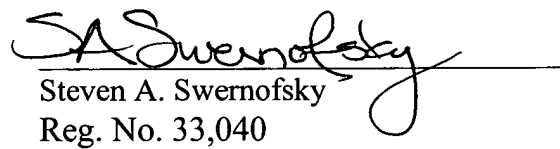
The Examiner allowed claims 1 – 5 and rejected claims 6 – 9. Applicant has cancelled the rejected claims leaving only allowable subject matter.

CONCLUSION

This response to the Office Action mailed October 2, 2001, brings this application into condition for allowance. We earnestly solicit a notice of allowance.

Respectfully submitted,

Dated: December²⁹_A, 2005


Steven A. Swernofsky
Reg. No. 33,040

Swernofsky Law Group PC
P.O. Box 390013
Mountain View, CA 94039-0013
(650) 947-0700

FIGURES

In the Office Action, the Draftsperson objects to several figures as failing to have adequate margins. Applicant has amended the figures to include the correct margins and believes that the drawings are now compliant. Replacement drawing sheets are included for all drawings.

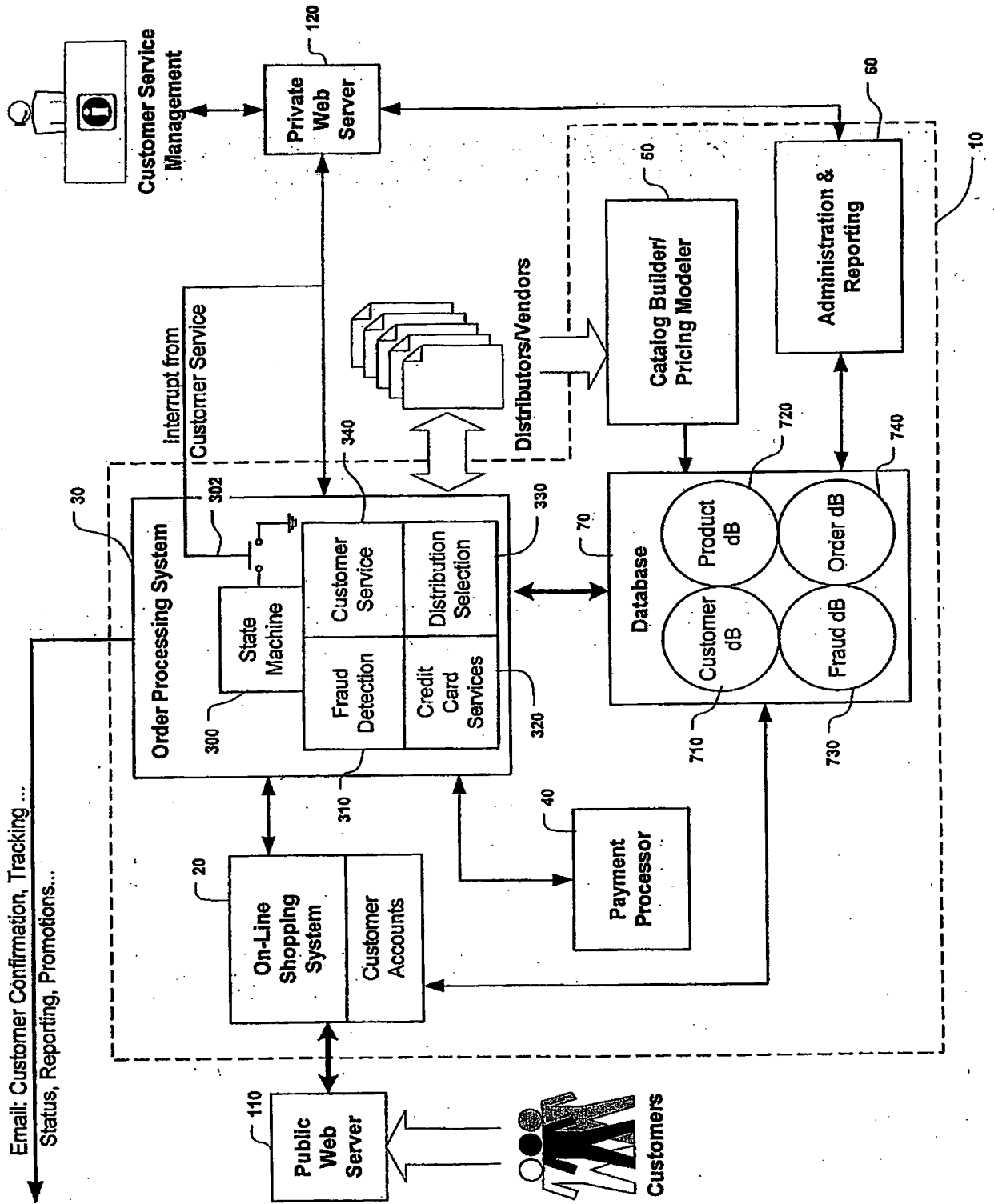


Fig. 1

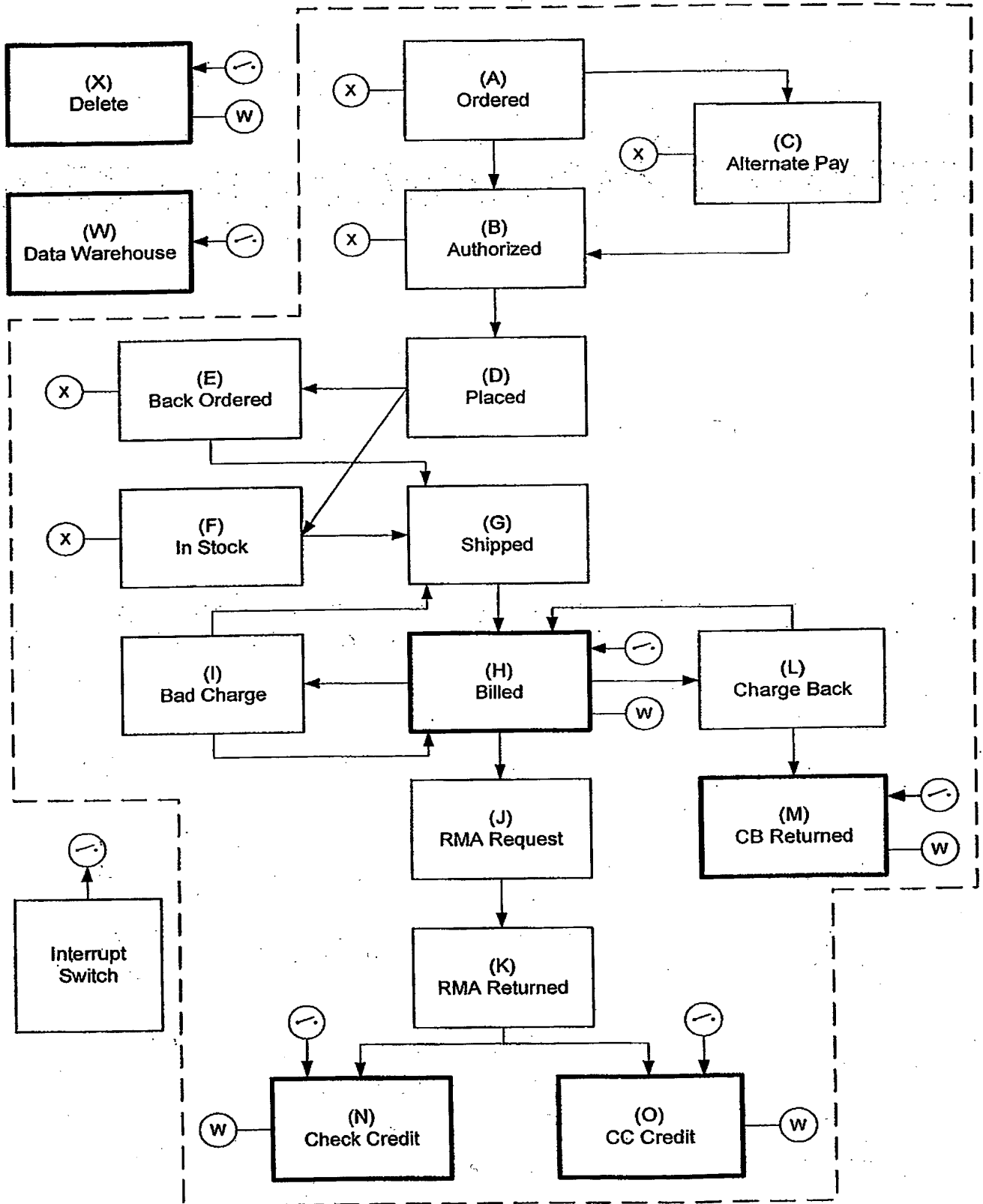


Fig. 2

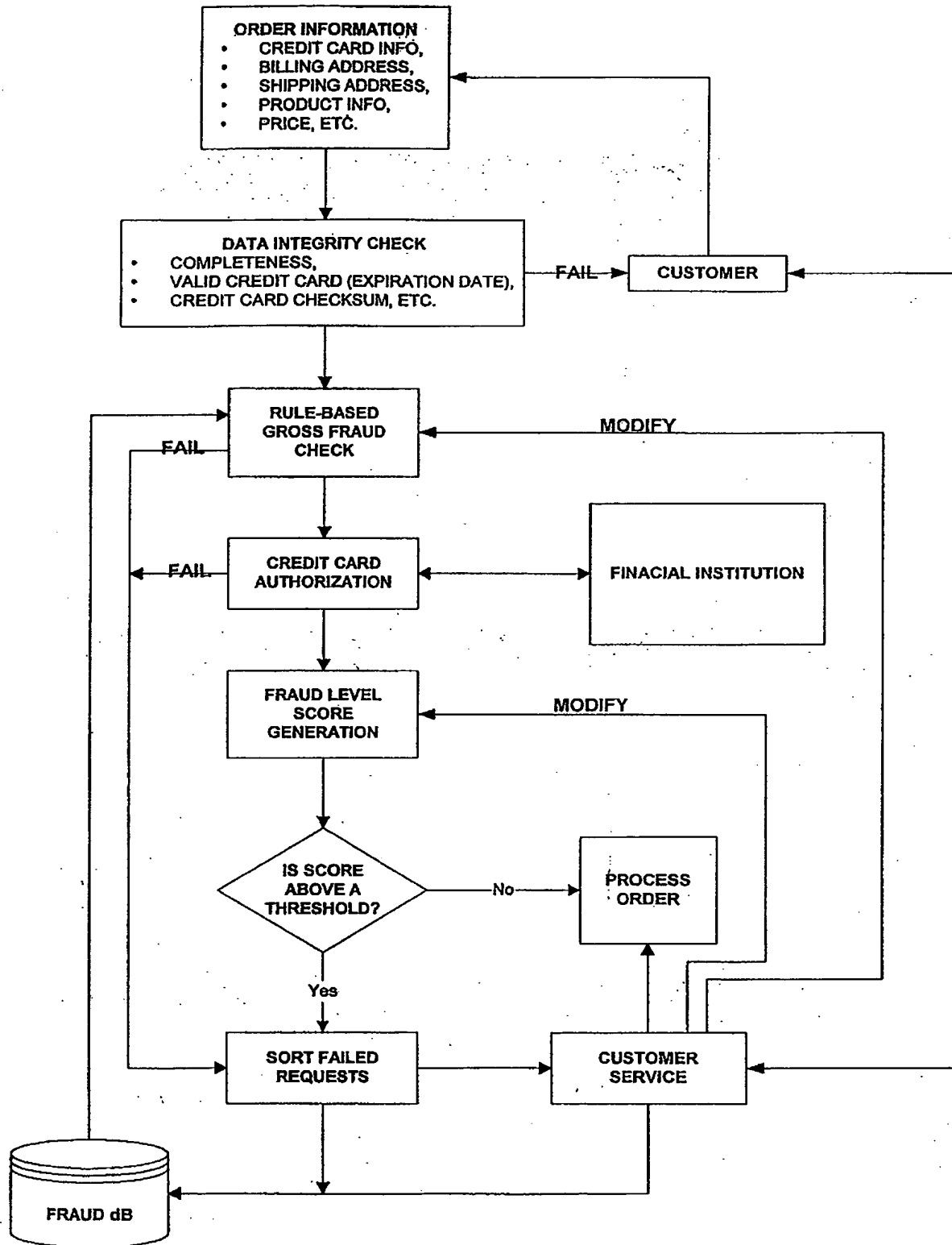


Fig. 3

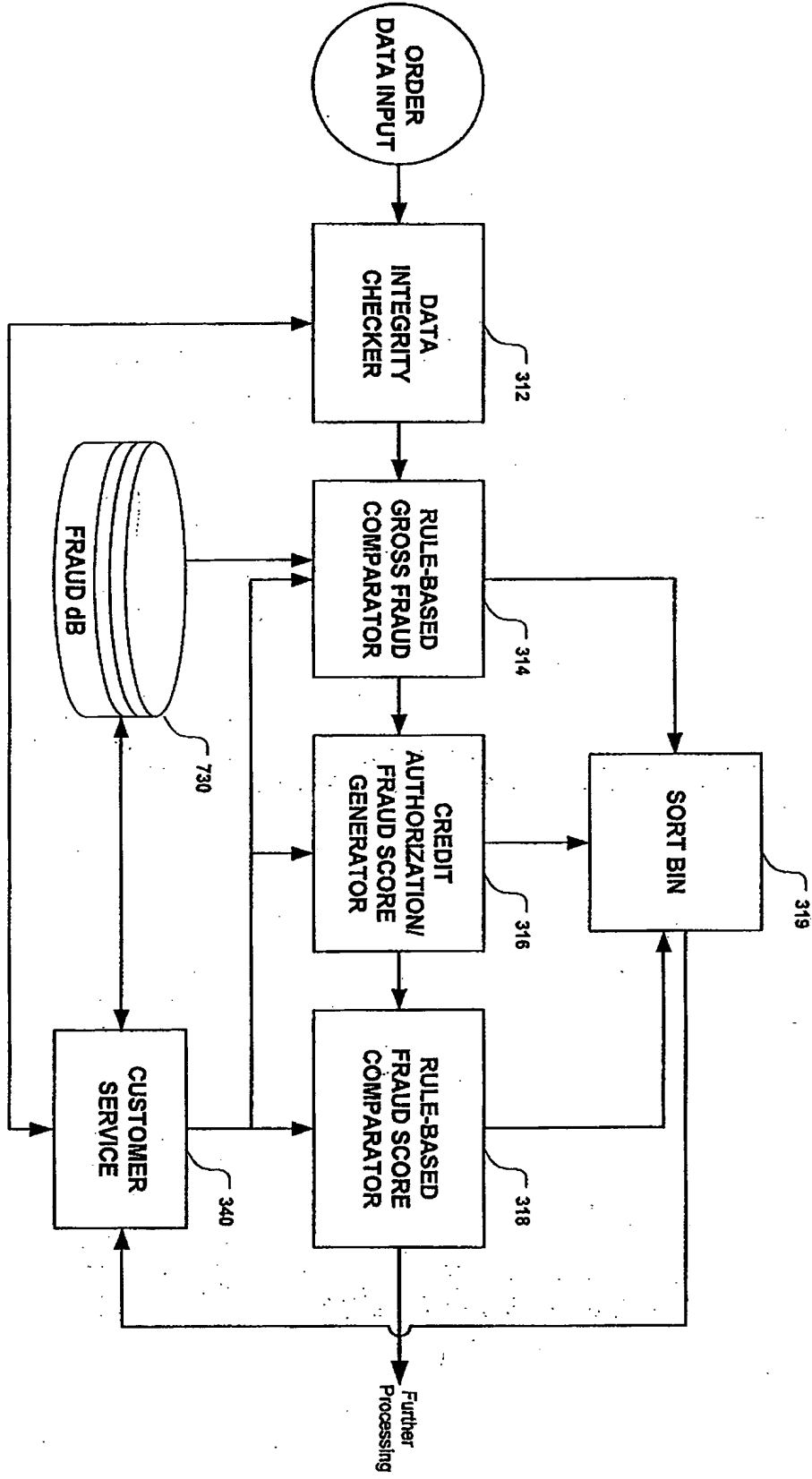


Fig. 4

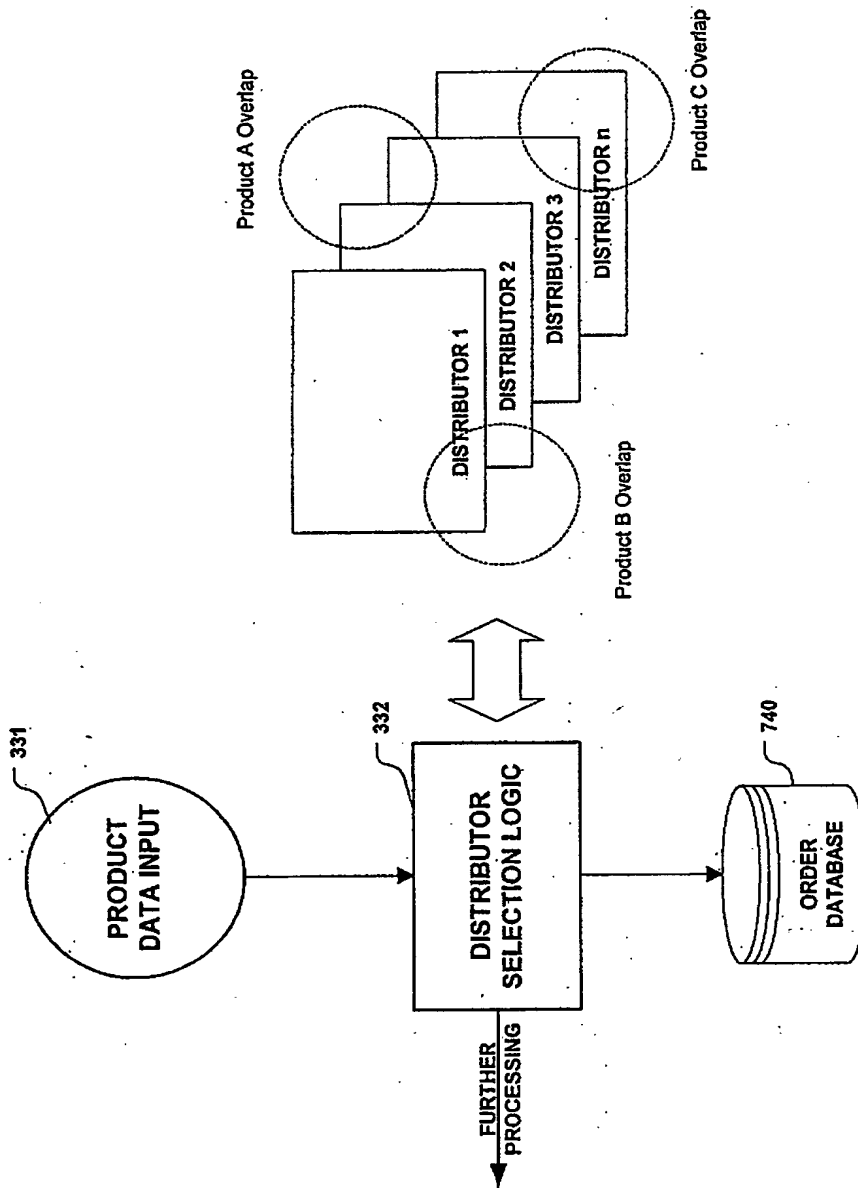
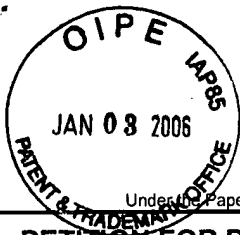


Fig. 5



JFW

PTO/SB/64 (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT
ABANDONED UNINTENTIONALLY UNDER 37 CFR 1.137(b)**

Docket Number (Optional)

First named inventor: Robert S. Alvin

Application No.: 09/343,550

Art Unit: 3625

Filed: June 30, 1999

Examiner: Cuong H. Nguyen

Title: Multi-level Fraud Check with Dynamic Feedback for Internet Commerce

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OFFICE OF PETITIONS

Attention: Office of Petitions
Mail Stop Petition
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
FAX: (571) 273-8300

NOTE: If information or assistance is needed in completing this form, please contact Petitions Information at (571) 272-3282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the office notice or action plus an extensions of time actually obtained.

APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION

NOTE: A grantable petition requires the following items:

- (1) Petition fee;
- (2) Reply and/or issue fee;
- (3) Terminal disclaimer with disclaimer fee -- required for all utility and plant applications filed before June 8, 1995; and for all design applications; and
- (4) Statement that the entire delay was unintentional.

1. Petition fee

Small entity-fee \$ 750.00 (37 CFR 1.17(m)). Applicant claims small entity status. See 37 CFR 1.27.

Other than small entity - fee \$ 1,500.00 (37 CFR 1.17(m)).

2. Reply and/or fee

A. The reply and/or fee to the above-noted Office action in the form of Response to Office Action (identify type of

reply):

- has been filed previously on _____.
- is enclosed herewith.

B. The issue fee and publication fee (if applicable) of \$ _____.

- has been paid previously on _____.
- is enclosed herewith.

[Page 1 of 2]

This collection of information is required by 37 CFR 1.137(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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3. Terminal disclaimer with disclaimer fee

Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$_____ for a small entity or \$_____ for other than a small entity) disclaiming the required period of time is enclosed herewith (see PTO/SB/63).

4. STATEMENT: The entire delay in filing the required reply from the due date for the required reply until the filing of a grantable petition under 37 CFR 1.137(b) was unintentional. [NOTE. The United States Patent and Trademark Office may require additional information if there is a question as to whether either the abandonment or the delay in filing a petition under 37 CFR 1.137(b) was unintentional (MPEP 711.03(c), subsections (III)(C) and (D)).]

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SASwernofsky
Signature

December 29, 2005
Date

Steven A. Swernofsky
Typed or printed name

33,040
Registration Number, if applicable

P.O Box 390013
Address

(650) 947-0700
Telephone Number

Mountain View, CA 94039-0013
Address

Enclosures: Fee Payment Check No. 6479

Reply

Terminal Disclaimer Form

Additional sheets containing statements establishing unintentional delay

Other: Fee Transmittal (2 copies)

CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8(a)]

I hereby certify that this correspondence is being:

Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

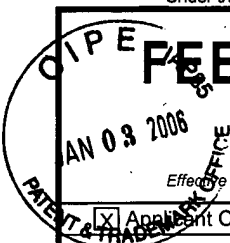
Transmitted by facsimile on the date shown below to the United States Patent and Trademark Office as (571) 273-8300.

December 29, 2005
Date

SASwernofsky
Signature

Steven A. Swernofsky
Typed or printed name of person signing certificate

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **750.00**

Complete if Known	
Application Number	09/343,550
Filing Date	6/30/1999
First Named Inventor	Robert S. ALVIN
Examiner Name	Nguyen
Art Unit	3625
Attorney Docket No.	269.1003.00

METHOD OF PAYMENT (check all that apply)

Check Credit card Money Order Other None

Deposit Account

Deposit Account Number: 50-0365

Deposit Account Name: Swernofsky Law Group PC

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments

Charge any additional fee(s) or any underpayment of fee(s)

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)

3. ADDITIONAL FEES							
Large Entity		Small Entity		Fee Description		Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1051	130	2051	65	Surcharge - late filing fee or oath			
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet			
1053	130	1053	130	Non-English specification			
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination			
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action			
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action			
1251	120	2251	60	Extension for reply within first month			
1252	450	2252	225	Extension for reply within second month			
1253	1,020	2253	510	Extension for reply within third month			
1254	1,590	2254	795	Extension for reply within fourth month			
1255	2,160	2255	1,080	Extension for reply within fifth month			
1401	500	2401	250	Notice of Appeal			
1402	500	2402	250	Filing a brief in support of an appeal			
1403	1,000	2403	500	Request for oral hearing			
1451	1,510	1451	1,510	Petition to institute a public use proceeding			
1452	500	2452	250	Petition to revive - unavoidable			
1453	1,500	2453	750	Petition to revive - unintentional		750.00	
1501	1,400	2501	700	Utility issue fee (or reissue)			
1502	800	2502	400	Design issue fee			
1503	1,100	2503	550	Plant issue fee			
1460	130	1460	130	Petitions to the Commissioner			
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)			
1806	180	1806	180	Submission of Information Disclosure Stmt			
8021	40	8021	40	Recording each patent assignment per property (times number of properties)			
1809	790	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))			
1810	790	2810	395	For each additional invention to be examined (37 CFR 1.129(b))			
1801	790	2801	395	Request for Continued Examination (RCE)			
1802	900	1802	900	Request for expedited examination of a design application			
Other fee (specify)							
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3)		(\$)750.00	

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description		Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1001	790	2001	395	Utility filing fee			
1002	350	2002	175	Design filing fee			
1003	550	2003	275	Plant filing fee			
1004	790	2004	395	Reissue filing fee			
1005	200	2005	100	Provisional filing fee			
SUBTOTAL (1)				(\$)			

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Large Entity		Small Entity		Fee Description		Fee Paid	
Fee Code	Fee (\$)	Fee Code	Fee (\$)				
1202	50	2202	25	Claims in excess of 20			
1201	200	2201	100	Independent claims in excess of 3			
1203	360	2203	180	Multiple dependent claim, if not paid			
1204	200	2204	100	**Reissue independent claims over original patent			
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent			
SUBTOTAL (2)				(\$)			

** or number previously paid, if greater; For Reissues, see above

SUBMITTED BY

Name (Print/Type)	Steven A. Swernofsky	Registration No. (Attorney/Agent)	33,040	Telephone	650-947-0700
Signature	<i>SA Swernofsky</i>	Date	12/29/2005		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



269.1003.01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Robert S. Alvin

Serial No.: 09/343,550

Filed: June 30, 1999

For: Multi-level Fraud Check with
Dynamic Feedback for Internet
Commerce

Art Unit: 3625

Examiner: Cuong H. Nguyen

Tel: (571) 272-3765

Office Action Mailed On:

October 2, 2001

RECEIVED

JAN 06 2005

OFFICE OF PETITIONS

CERTIFICATE OF MAILING (37 CFR 1.301)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail, in an envelope addressed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on _____ Date By: _____

PETITION TO REVIVE

To the Commissioner:

INTRODUCTION

We petition for revival of this application, which became abandoned for failure to respond to the Office Action mailed October 2, 2001. As described below, the facts upon which this petition is based are unusual. We believe these unusual facts adequately explain the intervening time from when a response to the Office Action was due. Accordingly, we respectfully request the

Commissioner to give weight to the unlikelihood and unusualness of these facts, and the manifest injustice that would be visited upon the petitioner if this petition were not granted.

In brief,

- (1) This application was the property of a company that was placed in bankruptcy. The bankruptcy filing occurred well before the Office Action was mailed.
- (2) There was no communication between the attorneys who filed this application and the bankruptcy trustee.
- (3) The bankruptcy trustee has no knowledge of patent law, and in fact, sold the application well after it had become abandoned.
- (4) The assignee did not receive this purchased application until recently, and did not receive the patent history until even more recently.
- (5) The assignee acted immediately and diligently to determine the status of this purchased application. When the assignee found that it was abandoned, it took immediate and diligent steps to attempt revival, whence this petition.

STATEMENT OF FACTS

In support of this petition, the Applicants respectfully submit the following:

1. US PTO Form, Petition For Revival of an Application for Patent Abandoned Unintentionally Under 37 CFR 1.137(b).
2. A response to the Office Action dated October 2, 2001.
3. A statement that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to CFR 1.137(b) was unintentional. A declaration in support of the facts is included from the investigating attorney.
4. The required fee.

The date of the Office Action (October 2, 2001) and the Notice of Abandonment (May 7, 2002) occurred after the time that Hardwarestreet.com was placed into chapter 7 bankruptcy (January 2001). The bankruptcy trustee had no contact with the attorneys originally responsible for prosecuting the application and was never made aware that action was required on the application. Upon receiving assignment of the application to them, Innovation Management Sciences (hereinafter "IM Sciences") diligently pursued resolving the lack of action on this application up to and including the filing of this petition.

As shown by the facts described in this petition and its supporting documents, the entire duration between the due date for the reply to the Office Action, and filing of this petition pursuant to CFR 1.137(b) did not involve any intent to abandon the application, or even to delay response to the Office Action. The timeline of events shows that there was never any actual or attributable knowledge to petitioners, or any others in control of prosecuting this application, that any action was required to prevent abandonment of the application. Accordingly, failure to respond to the Office Action was clearly unintentional.

POINTS AND AUTHORITIES

MPEP 711.02. A petition to revive an abandoned application on the grounds that the failure to reply was unintentional (37 CFR 1.137(b)) must be accompanied by (1) the required reply (which has been filed); (2) a statement that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to 37 CFR 1.137(b) was unintentional; (3) any terminal disclaimer required pursuant to 37 CFR 1.137(d) (see above discussion); and (4) the [5] petition fee as set forth in 37 CFR 1.17(m). No consideration to the substance of a petition will be given until this fee is received. The Director may require additional information where there is a question whether the delay was unintentional.

37 CFR 10.18. A practitioner is obligated to inquire into the underlying facts and circumstances when making the statement that the entire delay in filing a reply was unintentional under 37 CFR 1.137(b).

1. Petitioner and petitioner's attorneys have made a reasonable investigation into the facts. Petitioner and petitioner's attorneys have determined the following facts summarized here from the included Declaration of Facts in Support of Petition for Revival of an Application for Patent Abandoned Unintentionally:

a. In January 2001, Hardwarestreet.com is placed into Chapter 7 bankruptcy. Approximately 10 months later (October 2001) an Office Action is mailed from the PTO, but there is no one at Hardwarestreet.com as it is now out of business. The bankruptcy trustee sets about his business of selling the assets of Hardwarestreet.com. He has no contact with the attorneys of record for the patent application and is unaware that a response to an Office Action is due. Hardwarestreet.com intellectual property is placed up for bid on an Internet auction site.

b. Circa March 2003, IM sciences becomes aware of the patent application and place a bid. IM Sciences is informed that it placed the winning bid, but legal transfer of ownership of the patent application by the bankruptcy trustee does not occur until June 28, 2005. Circa July 2005, IM Sciences orders the file for the application from the PTO. Upon receipt of the file (Circa August 2005), IM Sciences discovers the identity of the attorneys of record and contacts them. The attorneys of record tell IM Sciences that they will look into the matter and get back to IM Sciences. IM Sciences contacts the attorneys of record again and leave a message inquiring into the status –

there is no response from the attorneys of record so IM Sciences calls Swernofsky Law Group PC (November).

c. Swernofsky Law Group PC determines that their duty of candor before the PTO and the rules incident to reviving a patent application requires investigation of the facts surrounding the failure to file a timely response to the Office Action dated October 2, 2001 (37 CFR 10.18). Investigation of the facts starts promptly and is completed in late December. From the facts, Swernofsky Law Group PC determines that the entire delay in responding to the Office Action was unintentional and unavoidable.

2. The entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition pursuant to 37 CFR 1.137(b) was unintentional.

3. The required fee is included. Should the fee be inadequate, authorization is hereby granted to charge any additional fee amount to Deposit Account No. 50-0365.

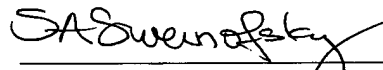
REQUESTED RELIEF

We respectfully request the limited relief that

- (1) This petition be granted,
- (2) This application be revived from abandonment,
- (3) The enclosed Response to Office Action be entered, and
- (4) Prosecution of this application is reopened.

Respectfully submitted,

Dated: December²⁹, 2005



Steven A. Swernofsky (Reg. No. 33040)

Please send all future correspondence to the address below:

Steven A. Swernofsky
Swernofsky Law Group PC
P.O. Box 390013
Mountain View, CA 94039-0013
(650) 947-0700

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

Date: _____ By: _____

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

JAN 06 2005

OFFICE OF PETITIONS

Applicant(s): Robert S. Alvin
Assignee: Innovation Management Sciences
Title: Multi-level Fraud Check with dynamic Feedback for Internet
Commerce
Serial No.: 09/343,550 Filed: 06/30/99
Examiner: Cuong H. Nguyen Group Art Unit: 3625
Attorney Docket No.: 269.1003.01

Los Altos, California

Date: _____

**DECLARATION OF FACTS IN SUPPORT OF PETITION TO
REVIVE**

This declaration is made as to the facts that are relied upon to establish the diligent effort and determination made, that as to the patent application at issue, the entire delay in filing the required reply from the due date for the reply until the filing of the accompanying petition included herewith pursuant to CFR 1.137(b) was unintentional.

This declaration is being made by the person having first-hand knowledge of the facts recited herein.

1. My name is Jeffrey Scott Petro.

2. I am an Attorney employed at the Swernofsky Law Group PC, 4970 El Camino Real, Suite 210, Los Altos, CA 94022.
3. I was asked to help with the above referenced case in November 2005, the issue being to determine whether the facts would support reviving patent application (09/343,550) under CFR 1.137(b).
4. I identified the following sources that I believed could provide me with relevant information:

Barry L. Solomon	Bankruptcy Trustee
Cecelia Rosenauer	Attorney for Bankruptcy Trustee
Joseph Popolo	IP Auctions employee
Wilfred Lam	Partner, Innovation Management Sciences

5. I called the identified sources on December 15, 2005 and December 20, 2005. Some were not available on the first day I called. From my conversations with these sources, I put together the following timeline of the most important events that are explained further herein:

June 1999	Patent application Filed
May 2000	Insiderstreet.com purchases Hardwarestreet.com
January 2001	Hardwarestreet.com placed in Chapter 7 bankruptcy
March 2003	Innovation Management Sciences (hereinafter "IM Sciences") purchases the application
June 2005	Application assigned to IM Sciences by Bankruptcy Trustee
July 2005	IM Sciences orders application file
August 2005	IM Sciences contacts counsel that originally filed the application
October 2005	IM Sciences contacts counsel that originally filed the application
November 2005	IM Sciences contacts Swernofsky Law Group

6. I was given the following general background information prior to undertaking this case and have added additional information obtained from the individuals I contacted. Hardwarestreet.com had hired Washington D.C. counsel to prosecute an application entitled "Multi-level Fraud Check with Dynamic Feedback for Internet Commerce" serial number 09/343,550. The application was filed in June of 1999. In May of 2000 a company named Insiderstreet.com purchased Hardwarestreet.com. In January of 2001 Hardwarestreet.com was placed into Chapter 7 bankruptcy. The bankruptcy trustee was Mr. Barry L. Solomon. A company named IP Auctions placed the intellectual property of Hardwarestreet.com up for sale on a web site. IM Sciences became aware of one of the applications for sale and placed the winning bid in March 2003. The assignment of the application to IM Sciences by the bankruptcy trustee occurred in June 2005. IM Sciences ordered a copy of the file for the application and learned the identity of the attorneys of record for the application. IM Sciences contacted the attorneys. The attorneys said they would look into the matter and get back to IM Sciences. Following no response from the attorneys, IM Sciences contacted the attorneys again circa October/November 2005. The attorneys were again unresponsive to the inquiry by IM Sciences, and IM Sciences called Swernofsky Law Group PC.
7. In November and December of 2005, John Fleming, a Law Clerk at Swernofsky Law Group, performed initial research pertaining to the case.
8. On December 12, 2005, I called Barry L. Solomon. Mr. Solomon told me that he did not know that any action was pending on the application, and that he had no contact with the attorneys of record for the application. He also stated that he knows nothing about patent law.
9. On December 12, 2005, I called Cecelia Rosenauer who is Mr. Solomon's attorney. She was unavailable at that time, but I was able to talk to her on December 15, 2005. She stated that to the best of her recollection, she never had any contact with the attorneys of record for the application. She also said that she was unaware that any response was due, and that she has no knowledge of patent law as her area of expertise is bankruptcy law. Ms. Rosenauer agreed to send me an electronic copy of

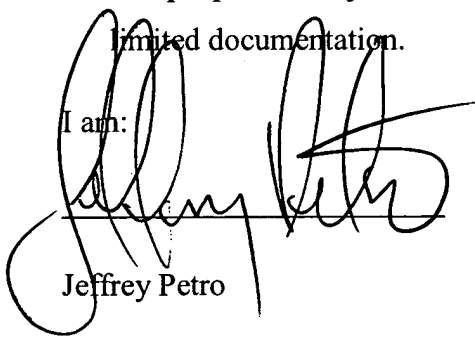
the United States Bankruptcy Court Form B9B (Notice of Chapter 7 Bankruptcy Case) relating to Hardwarestreet.com.

10. On December 12, 2005, I called Mr. Wilfred Lam who is an officer of IM Sciences. He stated that IM Sciences became aware of the application and made a bid. It took some time before the bankruptcy trustee was able to transfer the application to them. Mr. Lam said that once the application was assigned to IM Sciences they ordered a copy of the file which made them aware of the attorneys of record. They contacted the attorneys of record for the application in July 2005 and were told by the attorneys that they would research the matter and get back to them. IM Sciences again contacted the attorneys in October – they left a message inquiring as to the status of the research but received no reply. In November 2005, IM Sciences contacted Swernofsky Law Group.

11. On December 12 2005, I called IP Auctions to speak with Mr. Joe Popolo. Mr. Popolo was unavailable on that date, but I did speak with him on December 20, 2005. Mr. Popolo told me that the patent application was placed on IP Auction's web site, that IM Sciences had the winning bid, and that the sale was finalized March 11, 2003.

12. The people that I spoke to relied primarily on their recollection of the facts and limited documentation.

I am:


Jeffrey Petro

Date: 12-29-05

PATENT APPLICATION FEE DETERMINATION RECORD
Effective December 8, 2004

09/343550

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20=	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

SMALL ENTITY TYPE

OR OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	150.00
X\$ 25=	
X100=	
+180=	
TOTAL	

RATE	FEE
BASIC FEE	300.00
X\$50=	
X200=	
+360=	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	01/07/04 CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
	Total	* 5 Minus	** 20 = -
	Independent	* 2 Minus	*** 4 = -
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$ 25=	1
X100=	1
+180=	1
TOTAL ADDIT. FEE	3

RATE	ADDITIONAL FEE
X\$50=	1
X200=	1
+360=	1
TOTAL ADDIT. FEE	3

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
	Total	* Minus	** =
	Independent	* Minus	*** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE
X\$ 25=	
X100=	
+180=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$50=	
X200=	
+360=	
TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
	Total	* Minus	** =
	Independent	* Minus	*** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE
X\$ 25=	
X100=	
+180=	

RATE	ADDITIONAL FEE
X\$50=	
X200=	
+360=	

DEC 28 2005

SWERNOFSKY
LawGroupPC

4970 El Camino Real • Suite 210 • Los Altos, California 94022 • 650.947.0700 • F 650.947.8488 • www.swernofsky.com

VIA FACSIMILE (571) 273-3350

December 28, 2005

United States Patent and Trademark Office
Office of Public Records
Attention: Customer Service.DOCUMENT SERVICES DIVISION
P.O. Box 1450
Alexandria, VA 22313-1450

US Patent Application No. 09/343,550
Inventor: Robert S. ALVIN
Filing Date: June 30, 1999
Title: Multi-Level Fraud Check with Dynamic Feedback for Internet Commerce
REQUEST FOR PATENT ABSTRACT OF TITLE

Dear Sirs:

Please send us a patent abstract of title with a certification statement for the following patent application:

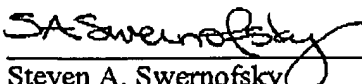
US Patent Application No. 09/343,550
Inventor: Robert S. ALVIN
Filing Date: June 30, 1999
Title: Multi-Level Fraud Check with Dynamic Feedback for Internet Commerce

Please send the document to the following address (the correspondence address for Customer No. 22883):

Steven A. Swernofsky
Swernofsky Law Group PC
P.O. Box 390013
Mountain View, CA 94039-0013

I authorize you to charge \$25.00 to Deposit Account No. 50-0365 for this service.

Very truly yours,



Steven A. Swernofsky
Reg. No. 33,040

jf

PATENT APPLICATION FEE DETERMINATION RECORD
Effective December 8, 2004

09/343550

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20=	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

SMALL ENTITY TYPE OR

OTHER THAN SMALL ENTITY

RATE	FEE
BASIC FEE	150.00
X\$ 25=	
X100=	
+180=	
TOTAL	

RATE	FEE
BASIC FEE	300.00
X\$50=	
X200=	
+360=	
TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

01/30/07 **CLAIMS AS AMENDED - PART II**

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
	Total	* 5	Minus ** 20 = -
	Independent	* 2	Minus *** 4 = -
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$ 25=	1
X100=	1
+180=	1
TOTAL ADDIT. FEE	3

RATE	ADDITIONAL FEE
X\$50=	1
X200=	1
+360=	1
TOTAL ADDIT. FEE	3

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
	Total	*	Minus ** =
	Independent	*	Minus *** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE
X\$ 25=	
X100=	
+180=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$50=	
X200=	
+360=	
TOTAL ADDIT. FEE	

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR
	Total	*	Minus ** =
	Independent	*	Minus *** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

RATE	ADDITIONAL FEE
X\$ 25=	
X100=	
+180=	

RATE	ADDITIONAL FEE
X\$50=	
X200=	
+360=	



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/343,550	06/30/1999	ROBERT S. ALVIN	HSI-006	8070

7590 05/07/2002

RONALD P. KANANEN
RADER, FISHMAN & GRAUER
SUITE 501
1233 20TH STREET, N.W.
WASHINGTON, DC 20036

EXAMINER

NGUYEN, CUONG H

ART UNIT PAPER NUMBER

3625


DATE MAILED: 05/07/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

cd

PA

Notice of Abandonment

Application No. 09/343,550	Applicant(s) Robert S. Alvin	
Examiner Cuong H. Nguyen	Art Unit 3625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

This application is abandoned in view of:

1. Applicant's failure to timely file a proper reply to the Office letter mailed on Oct 2, 2001.
 - (a) A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113(a) to the final rejection.
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) No response has been received.

2. Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance.
 - (b) The submitted issue fee of \$ _____ is insufficient. A balance of \$ _____ is due.
The issue fee required by 37 CFR 1.18 is \$ _____. The publication fee, if required by 37 CFR 1.18(d) is \$ _____.
 - (c) The issue fee and publication fee, if applicable, has not been received.

3. Applicant's failure to timely file new formal drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) Proposed new formal drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) The proposed new formal drawings filed on _____ are not acceptable and the period for reply has expired.
 - (c) No proposed new formal drawings have been received.

4. The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.

5. The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.

6. The decision by the Board of Patent Appeals and Interferences rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.

7. The reason(s) below:

Cuong H. Nguyen
CUONG H. NGUYEN
PRIMARY EXAMINER
ART UNIT 3625



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
-----------------	-------------	----------------------	---------------------

09/343,550	06/30/99	ALVIN	R HSI-006
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RONALD P. KANANEN
 RADER, FISHMAN & GRAUER
 SUITE 501
 1233 20TH STREET, N.W.
 WASHINGTON DC 20036

TM02/1002

EXAMINER

NGUYEN, C	
ART UNIT	PAPER NUMBER

2165
DATE MAILED:


10/02/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks

Office Action Summary

Application No. 09/343,550	Applicant(s) Robert S. Alvin
Examiner Cuong H. Nguyen	Art Unit 2165



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on Jul 28, 1999
- 2a) This action is FINAL.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-9 is/are pending in the application.
 - 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) 1-5 is/are allowed.
- 6) Claim(s) 6-9 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
 - a) All b) Some* c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) Notice of References Cited (PTO-892)
- 16) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
- 18) Interview Summary (PTO-413) Paper No(s). _____
- 19) Notice of Informal Patent Application (PTO-152)
- 20) Other:

DETAILED ACTION

1. This Office Action is the answer to the application received on 6/30/1999, which paper has been placed of record.
2. Claims 1-9 are pending in this application.

Drawings

3. This application has been filed with informal drawings, and they are required to be corrected as indications by the draftsman.
4. The following rejections are based on the examiner's broadest reasonable interpretation of the claims; *In re Pearson*, 181 USPQ 641 (CCPA 1974).

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall **contain a written description** of the invention, and of the manner and process of making and using it, in such **full, clear, concise, and exact terms** as to enable any person skilled in the art to which it pertains to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

5. Claims 6, 8 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to use the invention. These claims contain limitations of "first credit authorization means", "second credit authorization means", and "conducting a first credit authorization check based upon a first set of credit

authorization rules", and "reviewing each credit rejection demand generated by said first credit authorization check", but no where in the pending application that these claimed features and corresponding supports are substantially elaborated.

6. Claims 7, 9 are rejected for incorporating the above defect from their parent claims by dependencies.

Provisionally Allowable Subject Matter

7. The independent claim 1 is provisionally patentable distinct over closest reference of Bogosian (WO 9618168 A1 - 06/13/1996), because this reference does not expressly teach a transaction processor for facilitating retail sale of selected product directly from a distributor, comprising:

- a commercial authorization service for generating a fraud score of the orders accepted by the fraud checker, and a comparator for comparing said fraud score with a predetermined threshold to determine if the purchase order should be accepted or rejected.

8. The independent claim 4 is provisionally patentable distinct over closest references of Bogosian (WO 9618168 A1 - 06/13/1996), because this reference does not expressly teach an Internet-centric transaction method for facilitating retail sale of selected product directly from a distributor, comprising:

- performing a commercial fraud check on accepted orders to generate a fraud score, and comparing the fraud score with a

predetermined threshold to either accept or reject said purchase order.

9. Claims 2-3, 5 are allowed because they are dependent claims of the allowable, independent claims 1, and 4.

Conclusion

10. Claims 1-5 are allowed; and claims 6-9 are rejected.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Cuong H. Nguyen, whose telephone number is (703)305-4553. The examiner can normally be reached on Mon.-Fri. from 7:30AM-3:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ms. Wynn Coggins, can be reached on (703)308-1344.

Any response to this action should be mailed to: Box

Amendments

Commissioner of Patents and Trademarks

c/o Technology Center 2100

Washington, D.C. 20231

or faxed to: (703) 308-9051, (for formal communications)

Or: (703) 305-0040 (for informal or draft
communications)

Hand-delivered responses should be brought to Crystal Park II, 2121
Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

S.N.: 09/343,550
Art Unit: 2165

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703)305-3900.

Cuong Nguyen
Patent Examiner
Sept. 28, 2001

Notice of References Cited

Applicant/Patent Robert S. Alvin		Application/Control No. 09/343,550	
Examiner Cuong H. Nguyen		Art Unit 2165	Page 1 of 1

U.S. PATENT DOCUMENTS

* A	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²
B				
C				
D				
E				
F				
G				
H				
I				
J				
K				
L				
M				

FOREIGN PATENT DOCUMENTS

* X	Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²
N	TW 250,552	7/1995	TW	Hwang et al.	G06F 15/20
O	WO 200,023,929	4/2000	WIPO	Alvin	G16F 17/60
P	EP 1,040,441A2	10/2000	EPO	Alvin	G06F 17/60
Q	EP 1040457A1	10/2000	EPO	Alvin	G07F 7/10
R	WO 0,023,928A2	4/2000	WIPO	Alvin	G06F 17/60
S					
T					

NON-PATENT DOCUMENTS

* X	U	Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages
	U	Lanctot et al., Building new services on cyber foundation ..., Computer Retail Week, n168 pg.37, 1997 (printed from DialogClassic Web(TM) file 647).
	V	Yuh, Queens supplier arrested for fraud, Newsday CITY section, pg.33, 20 December 1989 (from DialogClassic Web(TM) file 638)
	W	Pianin, Warner campaign donors reportedly reimbursed; Unisys review finds 5 executives were repaid \$3,800 after submitting phony vouchers, The Washington Post - Final Edition, A section, p.a06, 8/10/1988
	X	

* A copy of this reference is not being furnished with this Office action. See MPEP § 707.05(a). ¹ Dates in MM-YYYY format are publication dates. ² Classifications may be U.S. or foreign.

09/343550

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 6/30/99 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
- B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. The Examiner will require submission of new, corrected drawings when necessary. Corrected drawing must be submitted according to the instructions on the back of this notice.

<p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color. ___ Color drawings are not acceptable until petition is granted. Fig(s) _____ ___ Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84 (b) ___ 1 full-tone set is required. Fig(s) _____ ___ Photographs not properly mounted (must use bristol board or photographic double-weight paper). Fig(s) _____ ___ Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e) ___ Paper not flexible, strong, white, and durable. Fig(s) _____ ___ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) _____ ___ Mylar, velum paper is not acceptable (too thin). Fig(s) _____</p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes: ___ 21.0 cm by 29.7 cm (DIN size A4) ___ 21.6 cm by 27.9 cm (8 1/2 x 11 inches) ___ All drawing sheets not the same size. Sheet(s) _____ ___ Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: 8 1/2 x 11 Margins not acceptable. Fig(s) <u>01511</u> ___ Top (T) _____ Left (L) _____ ___ Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h) REMINDER: Specification may require revision to correspond to drawing changes. Partial views. 37 CFR 1.84(h)(2) ___ Brackets needed to show figure as one entity. Fig(s) _____ ___ Views not labeled separately or properly. Fig(s) _____ ___ Enlarged view not labeled separately or properly. Fig(s) _____</p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84 (h)(3) ___ Hatching not indicated for sectional portions of an object. Fig(s) _____ ___ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____</p>	<p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i) ___ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k) ___ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(i) ___ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) _____</p> <p>11. SHADING. 37 CFR 1.84(m) ___ Solid black areas pale. Fig(s) _____ ___ Solid black shading not permitted. Fig(s) _____ ___ Shade lines, pale, rough and blurred. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p) ___ Numbers and reference characters not plain and legible. Fig(s) _____ ___ Figure legends are poor. Fig(s) _____ ___ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) _____ ___ English alphabet not used. 37 CFR 1.84(p)(2) Figs _____ ___ Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q) ___ Lead lines cross each other. Fig(s) _____ ___ Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t) ___ Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u) ___ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. CORRECTIONS. 37 CFR 1.84(w) ___ Corrections not made from prior PTO-948 dated _____</p> <p>17. DESIGN DRAWINGS. 37 CFR 1.152 ___ Surface shading shown not appropriate. Fig(s) _____ ___ Solid black shading not used for color contrast. Fig(s) _____</p>
<p>COMMENTS</p>	

REVIEWER A.D. DATE 8/20/99 TELEPHONE NO. _____

ATTACHMENT TO PAPER NO. 3

29

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: CUONG H. NGUYEN Examiner #: 74138 Date: 7/5/01
 Art Unit: 2165 Phone Number 305 4553 Serial Number: 09/343 550
 Mail Box and Bldg/Room Location: CPK-2 Results Format Preferred (circle): PAPER DISK E-MAIL
5D56

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Multi-level fraud check with dynamic feedback for ...

Inventors (please provide full names): Alvin, Robert S

Earliest Priority Filing Date: 10/19/98

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

US class: 705/27, 26

Search terms: order form, payment authorization, transaction,
credit worthiness, fraud score, billing,
customer, fraud checker, compares threshold
data integrity check, fraud data/information

07-10-01 A11:26 IN

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

File 347:JAPIO OCT 1986-2001/Mar(UPDATED 010705)

(c) 2001 JPI JAPIO

File 348:European Patents 1978-2001/Jul W03

(c) 2001 European Patent Office

File 349:PCT Fulltext 1983-2001/UB=20010712, UT=20010705

(c) 2001 WIPO/MicroPat

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200140

(c) 2001 Derwent Info Ltd

Set	Items	Description
S1	857	AU="ALVIN"
S2	9	AU="ALVIN R S":AU="ALVIN ROBERT S"
S3	7	(S1 OR S2) AND ((FRAUD(5N)CHECK?)/TI OR (TRANSACT?(2N)PROC- ESS?)/TI)

3/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:European Patents
(c) 2001 European Patent Office. All rts. reserv.

01162087

**MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS
TRANSACTION PROCESSOR**
**BETRUGSPRUFUNG AUF MEHREREN EBENEN MIT DYNAMISCHER RUCKKOPPELUNG FUR EINEN
PROZESSOR ZUR ABWICKLUNG VON GESCHAFTSVORGANGEN IM INTERNET**
**SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET**
PATENT ASSIGNEE:

Hardwarestreet. Com. Inc., (3008361), 639 Isbell Road, 4th Floor, Reno,
NV 89509, (US), (Applicant designated States: all)

INVENTOR:

ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA 95006, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen,
(DE)

PATENT (CC, No, Kind, Date): EP 1040457 A1 001004 (Basic)
WO 0023909 000427

APPLICATION (CC, No, Date): EP 99970758 991019; WO 99US24439 991019

PRIORITY (CC, No, Date): US 104831 981019; US 343550 990630

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G07F-007/10

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

**MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS
TRANSACTION PROCESSOR**
**SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET**

INVENTOR:

ALVIN, Robert, S...

3/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:European Patents
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01161733

INTERNET BUSINESS TRANSACTION PROCESSOR
TRANSAKTIONS-PROZESSOR FUR DAS INTERNET-GESCHAFT
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET
PATENT ASSIGNEE:

Hardwarestreet. Com. Inc., (3008361), 639 Isbell Road, 4th Floor, Reno,
NV 89509, (US), (Applicant designated States: all)

INVENTOR:

ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA 95006, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen,
(DE)

PATENT (CC, No, Kind, Date): EP 1040441 A2 001004 (Basic)
WO 0023928 000427

APPLICATION (CC, No, Date): EP 99955050 991019; WO 99US24452 991019

PRIORITY (CC, No, Date): US 104830 981019; US 345383 990630

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-017/60

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

INTERNET BUSINESS TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

INVENTOR:

ALVIN , Robert, S.

3/3,K/3 (Item 1 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00711017 **Image available**

INTERNET BUSINESS TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Patent Applicant/Assignee:

HARDWARESTREETCOM INC, HARDWARESTREET.COM, INC., Suite 305, 5190 Neil
Road, Reno, NV 89502, US

Inventor(s):

ALVIN Robert S, ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA
95006, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023928 A2 20000427 (WO 200023928)

Application: WO 99US24452 19991019 (PCT/WO US9924452)

Priority Application: US 98104830 19981019

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ

TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7729

INTERNET BUSINESS TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Inventor(s):

ALVIN Robert S...

3/3,K/4 (Item 2 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00710999 **Image available**

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS
TRANSACTION PROCESSOR

SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Patent Applicant/Assignee:

HARDWARESTREETCOM INC, HARDWARESTREET.COM, INC., Suite 305, 5190 Neil
Road, Reno, NV 89502, US

Inventor(s):

ALVIN Robert S, ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA
95006, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023909 A1 20000427 (WO 200023909)

Application: WO 99US24439 19991019 (PCT/WO US9924439)

Priority Application: US 98104831 19981019

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ

TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7730

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS

TRANSACTION PROCESSOR
SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Inventor(s):

ALVIN Robert S...

3/3,K/5 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013193078 **Image available**
WPI Acc No: 2000-364951/200031
XRPX Acc No: N00-273138

**Internet based electronic commerce business transaction processor,
performs billing for retail customer for ordered product authorized for
shipment**

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023929	A1	20000427	WO 99US24453	A	19991019	200031 B
AU 9964336	A	20000508	AU 9964336	A	19991019	200037
EP 1040440	A1	20001004	EP 99952033	A	19991019	200050
			WO 99US24453	A	19991019	

Priority Applications (No Type Date): US 99343547 A 19990630; US 98104829 A
19981019

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200023929	A1	E	41 G06F-017/60	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9964336 A G06F-017/60 Based on patent WO 200023929

EP 1040440 A1 E G06F-017/60 Based on patent WO 200023929

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT
LI LT LU LV MC MK NL PT RO SE SI

**Internet based electronic commerce business transaction processor,
performs billing for retail customer for ordered product authorized for
shipment**

Inventor: ALVIN R S

3/3,K/6 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013193077 **Image available**
WPI Acc No: 2000-364950/200031
XRPX Acc No: N00-273137

**Internet-based electronic commerce business transaction processor
performs billing for retail customer for ordered product, when selected
supplier is authorized to ship product to customer**

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023928	A2	20000427	WO 99US24452	A	19991019	200031 B
AU 200011244	A	20000508	AU 200011244	A	19991019	200037
EP 1040441	A2	20001004	EP 99955050	A	19991019	200050

Priority Applications (No Type Date): US 99345383 A 19990630; US 98104830 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 WO 200023928 A2 E 40 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011244 A G06F-017/60 Based on patent WO 200023928

EP 1040441 A2 E G06F-017/60 Based on patent WO 200023928

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Internet-based electronic commerce business transaction processor performs billing for retail customer for ordered product, when selected supplier is authorized to ship...

Inventor: ALVIN R S

3/3,K/7 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rts. reserv.

013178584 **Image available**

WPI Acc No: 2000-350457/200030

XRPX Acc No: N00-262613

Electronic transaction processor for retail sales, authorizes distributor to fulfill purchase order and to ship ordered product to customer after checking credit worthiness

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023909	A1	20000427	WO 99US24439	A	19991019	200030 B
AU 200012118	A	20000508	AU 200012118	A	19991019	200037
EP 1040457	A1	20001004	EP 99970758	A	19991019	200050
			WO 99US24439	A	19991019	

Priority Applications (No Type Date): US 99343550 A 19990630; US 98104831 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 WO 200023909 A1 E 41 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200012118 A G06F-017/00 Based on patent WO 200023909

EP 1040457 A1 E G07F-007/10 Based on patent WO 200023909

Designated States (Regional): AT BE CH CY DE DK ES FR GB GR IE IT LI LU MC NL PT SE

Electronic transaction processor for retail sales, authorizes distributor to fulfill purchase order and to ship ordered product to...

Inventor: ALVIN R S

File 350:Derwent WPIX 1-2001/UD,UM &UP=200142
(c) 2001 Derwent Info Ltd
File 347:JAPIO OCT 1976-2001/Mar(UPDATED 010705)
(c) 2001 JPO & JAPIO
File 348:European Patents 1978-2001/Jul W04
(c) 2001 European Patent Office
File 349:PCT Fulltext 1983-2001/UB=20010719, UT=20010712
(c) 2001 WIPO/MicroPat
File 344:CHINESE PATENTS ABS APR 1985-2001/Jun
(c) 2001 EUROPEAN PATENT OFFICE
S4 14 AU=(ALVIN R? OR ALVIN ROBERT?)
S5 7 S4 AND FRAUD?

5/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013193078 **Image available**
WPI Acc No: 2000-364951/200031
XRPX Acc No: N00-273138

**Internet based electronic commerce business transaction processor,
performs billing for retail customer for ordered product authorized for
shipment**

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)
Inventor: **ALVIN R S**
Number of Countries: 085 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023929	A1	20000427	WO 99US24453	A	19991019	200031 B
AU 9964336	A	20000508	AU 9964336	A	19991019	200037
EP 1040440	A1	20001004	EP 99952033	A	19991019	200050
			WO 99US24453	A	19991019	

Priority Applications (No Type Date): US 99343547 A 19990630; US 98104829 A 19981019

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200023929	A1	E 41	G06F-017/60	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9964336 A G06F-017/60 Based on patent WO 200023929

EP 1040440 A1 E G06F-017/60 Based on patent WO 200023929

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Inventor: **ALVIN R S**

Abstract (Basic):

... thereby enabling larger selection of products with higher availability and aggressively competitive pricing. Utilizes multilevel **fraud** checking system incorporating propriety as well as commercially available **fraud** checking system, thereby enabling high level of risk management. The business transaction processor is fully...

5/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013193077 **Image available**
WPI Acc No: 2000-364950/200031
XRPX Acc No: N00-273137

**Internet-based electronic commerce business transaction processor
performs billing for retail customer for ordered product, when selected
supplier is authorized to ship product to customer**

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)
Inventor: **ALVIN R S**
Number of Countries: 085 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023928	A2	20000427	WO 99US24452	A	19991019	200031 B
AU 200011244	A	20000508	AU 200011244	A	19991019	200037
EP 1040441	A2	20001004	EP 99955050	A	19991019	200050
			WO 99US24452	A	19991019	

Priority Applications (No Type Date): US 99345383 A 19990630; US 98104830 A

19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 WO 200023928 A2 E 40 G06F-017/60
 Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
 CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
 TJ TM TR TT UA UG UZ VN YU ZW
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
 AU 200011244 A G06F-017/60 Based on patent WO 200023928
 EP 1040441 A2 E G06F-017/60 Based on patent WO 200023928
 Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI
 LU MC NL PT SE

Inventor: ALVIN R S

Abstract (Basic):

... enabling larger selection of products with higher availability
 and aggressively compatible pricing. Utilizes multi-level **fraud**
 checking system incorporating propriety as well as commercially
 available **fraud** checking system, thereby enabling high level of risk
 management. The business transaction processor is fully...

5/3,K/3 (Item 3 from file: 350)

DIALOG(R) File 350: Derwent WPIX
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013178584 **Image available**
 WPI Acc No: 2000-350457/200030
 XRPX Acc No: N00-262613

**Electronic transaction processor for retail sales, authorizes distributor
 to fulfill purchase order and to ship ordered product to customer after
 checking credit worthiness**

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)
 Inventor: ALVIN R S
 Number of Countries: 085 Number of Patents: 003
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023909	A1	20000427	WO 99US24439	A	19991019	200030 B
AU 200012118	A	20000508	AU 200012118	A	19991019	200037
EP 1040457	A1	20001004	EP 99970758	A	19991019	200050
			WO 99US24439	A	19991019	

Priority Applications (No Type Date): US 99343550 A 19990630; US 98104831 A
 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 WO 200023909 A1 E 41 G06F-017/60
 Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU
 CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
 LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL
 TJ TM TR TT UA UG UZ VN YU ZW
 Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
 IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
 AU 200012118 A G06F-017/00 Based on patent WO 200023909
 EP 1040457 A1 E G07F-007/10 Based on patent WO 200023909
 Designated States (Regional): AT BE CH CY DE DK ES FR GB GR IE IT LI LU
 MC NL PT SE

Inventor: ALVIN R S

Abstract (Basic):

... Provides higher level of risk management while providing a
fraud check system that is not exclusively dependent on commercially
 available service...

...The figure shows flowchart of fraud processing...

5/3,K/4 (Item 1 from file: 348)
DIALOG(R)File 348:European Patents
(c) 2001 European Patent Office. All rts. reserv.

01162087

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
BETRUGSPRUFUNG AUF MEHREREN EBENEN MIT DYNAMISCHER RUCKKOPPELUNG FUR EINEN PROZESSOR ZUR ABWICKLUNG VON GESCHAFTSVORGANGEN IM INTERNET
SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

PATENT ASSIGNEE:

Hardwarestreet. Com. Inc., (3008361), 639 Isbell Road, 4th Floor, Reno, NV 89509, (US), (Applicant designated States: all)

INVENTOR:

ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA 95006, (US)

LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1040457 A1 001004 (Basic)

WO 0023909 000427

APPLICATION (CC, No, Date): EP 99970758 991019; WO 99US24439 991019

PRIORITY (CC, No, Date): US 104831 981019; US 343550 990630

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G07F-007/10

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR
SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

INVENTOR:

ALVIN, Robert, S ...

5/3,K/5 (Item 1 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00711018 **Image available**

DYNAMIC SELECTION OF MULTIPLE DISTRIBUTORS
SELECTION DYNAMIQUE DE MULTIPLES DISTRIBUTEURS

Patent Applicant/Assignee:

HARDWARESTREETCOM INC, HARDWARESTREET.COM, INC. , Suite 305, 5190 Neil Road, Reno, NV 89502 , US

Inventor(s):

ALVIN Robert S , ALVIN, Robert, S. , 187 Redwood Drive, Boulder Creek, CA 95006 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023929 A1 20000427 (WO 200023929)

Application: WO 99US24453 19991019 (PCT/WO US9924453)

Priority Application: US 98104829 19981019; US 99343547 19990630.

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ

TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7337

Inventor(s):

ALVIN Robert S ...

Fulltext Availability:

Detailed Description

Claims

English Abstract

...among a plurality of distributors based on flexible rule-based algorithm. Furthermore, a multi-level **fraud** check processing system allows orders to be processed that would otherwise be discarded to generate...

French Abstract

...sur des regles souples. En outre, un systeme de traitement multi-niveau de verification des **fraudes** permet le traitement de commandes qui seraient normalement rejetees de maniere a assurer un meilleur...

Detailed Description

... maintaining gross company margins.

The business transaction processor of the present invention utilizes multi-level **fraud** checking system that incorporates propriety as well as commercially available **fraud** checking system thereby providing a higher level of risk management while providing a **fraud** check system that is not exclusively dependent on commercially available services.

The business transaction processor...

Claim

... the order processing of the present invention.

Figure 3 is a flow diagram showing the **fraud** processing according to the present invention.

Figure 4 is a flow diagram showing the distributor...

...also includes a main database 70 comprised of a Customer Database 710, Products Database 720, **Fraud** Database 730, and Order Database 740.

According to the present invention, a customer accesses the...Order Processing System 30 of the present invention is comprised of four basic sub systems: **Fraud** Detection 310, Credit Card Services 320, Distributor Selection 330, and Customer Service 340. The overall...

...Order Processing System 30 first determines whether the order is a valid order by the **Fraud** Detection sub system 310. If the order is valid, then the order is sent to...order.

A detailed description of each of the sub-systems is provided hereinafter.

Multi-Level **Fraud** Detection

The **Fraud** Detection sub-system 310 of the present invention is a multi-level **fraud** checking system used to determine if an order is a valid order. As shown in...

...products, sales prices of the products, etc.

This order information is initially passed through the **Fraud** Detection sub-system 310.

The **Fraud** Detection sub-system 310 initially performs a data integrity check on the order information for...

...Once the order passes the data integrity check, the order then proceeds to a gross **fraud** check.

Gross **fraud** check involves searching the **Fraud** Database 730 internal to the transaction processor 10 ...present invention for history of bad credit by the customer submitting the order. The gross **fraud** check of the present invention acts as an initial filter for rejecting obvious **fraudulent** orders such as orders from "black-listed" customers in the **Fraud** Database 730 with previous histories of bad credit, orders from countries other than the United States under economic crisis, etc.

If an order fails the gross **fraud** check, the order is passed to Customer Service 340 and the customer is immediately notified...

...the order cannot be processed. If, on the other hand, the order passes the gross **fraud** check, the order is then checked for credit card authorization from a financial institution, such as a commercially available **fraud** check service.

Based on the information received from the financial institution, a **fraud** level score, for example, is generated. The **fraud** level score is a grading system that indicates the level of risk the order will...

...threshold or a plurality of thresholds. Each threshold serves as a trigger to invoke other **fraud** rule based checks to be performed in conjunction with the score to determine the total...

...by several types of failures given a total overall score. If the order passes the **fraud** checks, it is sent for finalized order processing. If, however, the order does not pass muster under the **fraud** checks, it is sent into a sorting bin. The sorting bin of the present invention...

...sorting bin.

The failed orders in the sorting bin are analyzed for reasons why the **fraud** level score was so high.

Failed orders are analyzed for previous purchases by the customer...

...a good history of previous purchases, for example, are low risk orders even though the **fraud** score is high and orders from customers who have no previous purchase history pose a...

...altered and resubmitted for validation or stored in a list of bad names in the **Fraud** Database 730 to be used in the gross **fraud** check of subsequent orders.

Alternatively, if there are generally a high number of failed orders in the sorting bin preventing sales of products, the **fraud** scores are analyzed and the threshold is dynamically modified to reduce the number of orders being rejected by the Order Processing system 30. By incorporating multi-level **fraud** checking system in the manner of the present invention, orders that would otherwise be lost thereby increasing business transactions.

Distributor Selection

Once an order has been checked for **fraud** and passes as a valid order, the products in the order are checked by the...the order is completed, the order is passed onto the Order Processing system 30.

The **Fraud** Detection sub-system 310 performs a data integrity check such as whether each of the...

...the corrections. If the order passes the integrity check, then the order undergoes the gross **fraud** check.

The gross **fraud** check determines whether the customer has a history of defaulting on payments, whether the credit...

...a "black-listed" location such as Romania or Russia.

If the order fails the gross **fraud** check, the order is sent into a sorting bin. If the order passes the gross **fraud** check, the order is sent to a commercially available **fraud** checking service such as CyberSource@.

CyberSource@ processes the order information and returns a **fraud** score. The **fraud** score is then compared to a threshold that may be modified by customer service 340 and used in conjunction with other **fraud** rule based checks. If the order fails, it is placed into the sorting bin. If...

...was from an account holder who has good credit history from past purchases, whether the **fraud** score was too high because the billing address did not match the address of the...

...the Customer service representatives either contact the customer to clarify the discrepancies or override the **fraud** checks and place them into the processing bin to be sent to the Distributor Selection...

...system 330 for further processing. The rest of the failed orders are placed in the **Fraud** Database 730.

The Distributor Selection sub-system 330 sends the product information (i.e., SKU...

5/3,K/6 (Item 2 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00711017 **Image available**

INTERNET BUSINESS TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Patent Applicant/Assignee:

HARDWARESTREETCOM INC, HARDWARESTREET.COM, INC., Suite 305, 5190 Neil Road, Reno, NV 89502, US

Inventor(s):

ALVIN Robert S, ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA 95006, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023928 A2 20000427 (WO 200023928)

Application: WO 99US24452 19991019 (PCT/WO US9924452)

Priority Application: US 98104830 19981019

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ

TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7729

Inventor(s):

ALVIN Robert S ...

Fulltext Availability:

Detailed Description

Claims

English Abstract

...among a plurality of distributors based on flexible rule-based algorithm. Furthermore, a multi-level **fraud** check processing system allows orders to be processed that would otherwise be discarded to generate...

French Abstract

...sur des regles souples. En outre, un systeme de traitement multi-niveau de verification des **fraudes** permet le traitement de

commandes qui seraient normalement rejetées de manière à assurer un meilleur...

Detailed Description

... as the preferred method of payment over the Internet has made checking for credit card **fraud** a necessity. To that end, almost all E Commerce businesses are connected to a financial service center for processing **fraud** checks. However, if the connection to the service center is down for any reason, process of sales is halted until a **fraud** check can be performed. Additionally, most E-Commerce businesses rely exclusively on the results of the commercially available **fraud** check institutions. If the criteria set by the **fraud** check institution are too high, then sales that would otherwise have been profitable are lost...

...maintaining gross company margins.

The business transaction processor of the present invention utilizes multi-level **fraud** checking system that incorporates propriety as well as commercially available **fraud** checking system thereby providing a higher level of risk management while providing a **fraud** check system that is not exclusively dependent on commercially available services.

The business transaction processor...

Claim

... the order processing of the present invention Figure 3 is a flow diagram showing the **fraud** processing according to the present invention.

Figure 4 is a flow diagram showing the distributor...

...also includes a main database 70 comprised of a Customer Database 710, Products Database 720, **Fraud** Database 730, and Order Database 740.

According to the present invention, a customer accesses the...Order Processing System 30 of the present invention is comprised of four basic sub systems: **Fraud** Detection 310, Credit Card Services 320, Distributor Selection 330, and Customer Service 340. The overall...

...Order Processing System 30 first determines whether the order is a valid order by the **Fraud** Detection sub system 310. If the order is valid, then the order is sent to...order.

A detailed description of each of the sub-systems is provided hereinafter.

Multi-Level **Fraud** Detection

The **Fraud** Detection sub-system 310 of the present invention is a multi-level **fraud** checking system used to determine if an order is a valid order. As shown in...

...productsf sales prices of the products, etc.

This order information is initially passed through the **Fraud** Detection sub-system 310.

The **Fraud** Detection sub-system 310 initially performs a data integrity check on the order information for...

...Once the order passes the data integrity check, the order then proceeds to a gross **fraud** check.

Gross **fraud** check involves searching the **Fraud** Database 730 internal to the transaction processor 10 of the present invention for history of bad credit by the customer submitting the order. The gross **fraud** check of the present invention acts as an initial filter for rejecting obvious **fraudulent** orders such as orders from "black-listed" customers in the **Fraud** Database 730 with previous histories of bad credit, orders from countries other than the United States under economic crisis, etc.

If an order fails the gross **fraud** check, the order is passed to Customer Service 340 and the customer is immediately notified of...

...the order cannot be processed. If, on the other hand, the order passes the gross **fraud** check, the order is then checked for credit card authorization from a financial institution, such as a commercially available **fraud** check service.

Based on the information received from the financial institution, a **fraud** level score, for example, is generated. The **fraud** level score is a grading system that indicates the level of risk the order will...

...threshold or a plurality of thresholds. Each threshold serves as a trigger to invoke other **fraud** rule based checks to be performed in conjunction with the score to determine the total...

...by several types of failures given a total overall score.

If the order passes the **fraud** checks, it is sent for finalized order processing. If, however, the order does not pass muster under the **fraud** checks, it is sent into a sorting bin. The sorting bin of the present invention...

...sorting bin.

The failed orders in the sorting bin are analyzed for reasons why the **fraud** level score was so high.

Failed orders are analyzed for previous purchases by the customer...

...a good history of previous purchases, for example, are low risk orders even though the **fraud** score is high and orders from customers who have no previous purchase history pose a...

...altered and resubmitted for validation or stored in a list of bad names in the **Fraud** Database 730 to be used in the gross **fraud** check of subsequent orders.

Alternatively, if there are generally a high number of failed orders in the sorting bin preventing sales of products, the **fraud** scores are analyzed and the threshold is dynamically modified to reduce the number of orders being rejected by the Order Processing system 30. By incorporating multi-level **fraud** checking system in the manner of the present invention, orders that would otherwise be lost...

...be recovered thereby increasing business transactions.

Distributor Selection

Once an order has been checked for **fraud** and passes as a valid order, the products in the order are checked by the...the order is completed, the order is passed onto the Order Processing system 30.

The **Fraud** Detection sub-system 310 performs a data integrity check such as whether each of the...

...the corrections. If the order passes the integrity check, then the order undergoes the gross **fraud** check.

The gross **fraud** check determines whether the customer has a history of defaulting on payments, whether the credit...

...a "black-listed" location such as Romania or Russia.

If the order fails the gross **fraud** check, the order is sent into a sorting bin. If the order passes the gross **fraud** check, the order is sent to a commercially available **fraud** checking service such as CyberSource@.

CyberSource(D processes the order information and returns a **fraud** score. The **fraud** score is then compared to a plurality of predetermined threshold that may be modified by customer service 340 and used in conjunction with other **fraud** rule based checks. If the order fails, it is placed into the sorting bin. If...

...was from an account holder who has good credit history from past purchases, whether the **fraud** score was too high because the billing address did not match the address of the...

...the Customer service representatives either contact the customer to clarify the discrepancies or override the **fraud** checks and place them into the processing bin to be sent to the Distributor Selection...

...system 330 for further processing. The rest of the failed orders are placed in the **Fraud** Database 730.

The Distributor Selection sub-system 330 sends the product information (i.e., SKU...processor of claim 1, wherein said database is comprised of a customer database, product database, **fraud** database, and order database.

6. The improved internet-centric transaction processor of claim 5, wherein...

...available, and price.

8. The improved internet-centric transaction processor of claim 5, wherein said **fraud** database stores credit data of said customers.

9. The improved internet-centric transaction processor of...

5/3,K/7 (Item 3 from file: 349)

DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00710999 **Image available**

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Patent Applicant/Assignee:

HARDWARESTREETCOM INC, HARDWARESTREET.COM, INC., Suite 305, 5190 Neil Road, Reno, NV 89502, US

Inventor(s):

ALVIN Robert S , ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA 95006, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023909 A1 20000427 (WO 200023909)

Application: WO 99US24439 19991019 (PCT/WO US9924439)

Priority Application: US 98104831 19981019

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ

TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7730

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Inventor(s):

ALVIN Robert S ...
Fulltext Availability:
Detailed Description
Claims

English Abstract

...among a plurality of distributors based on flexible rule-based algorithm. Furthermore, a multi-level **fraud** check processing system allows orders to be processed that would otherwise be discarded to generate...

French Abstract

...sur des regles souples. En outre, un systeme de traitement multi-niveau de verification des **fraudes** permet le traitement de commandes qui seraient rejetees en d'autres cas de maniere a...

Detailed Description

TITLE OF THE INVENTION

Multi-Level **Fraud** Check With Dynamic Feedback for Internet Business Transaction Processor
FIELD OF INVENTION The present invention...as the preferred method of payment over the Internet has made checking for credit card **fraud** a necessity. To that end, almost all E Commerce businesses are connected to a financial service center for processing **fraud** checks. However, if the connection to the service center is down for any reason, process of sales is halted until a **fraud** check can be performed. Additionally, most E-Commerce businesses rely exclusively on the results of the commercially available **fraud** check institutions. If the criteria set by the **fraud** check institution are too high, then sales that would otherwise have been profitable are lost level **fraud** checking system that incorporates propriety as well as commercially available **fraud** checking system thereby providing a higher level of risk management while providing a **fraud** check system that is not exclusively dependent on commercially available services.

The business transaction processor...

Claim

... the order processing of the present invention.

Figure 3 is a flow diagram showing the **fraud** processing according to the present invention.

Figure 4 is a logic block diagram for performing the multilevel **fraud** processing according to the present invention.

Figure 5 is a flow diagram showing the distributor...

...also includes a main database 70 comprised of a Customer Database 710, Products Database 720, **Fraud** Database 730, and Order Database 740.

According to the present invention, a customer accesses the...Order Processing System 30 of the present invention is comprised of four basic sub systems: **Fraud** Detection 310, Credit Card Services 320, Distributor Selection 330, and Customer Service 340. The overall...

...Order Processing System 30 first determines whether the order is a valid order by the **Fraud** Detection sub system 310. If the order is valid, then the order is sent to...order.

A detailed description of each of the sub-systems is provided hereinafter.

Multi-Level **Fraud** Detection

The **Fraud** Detection sub-system 310 of the present invention is a multi-level **fraud** checking system used to determine if an order is a valid order. As shown in...

...products, sales prices of the products, etc.

This order information is initially passed through the **Fraud** Detection sub-system 310.

As shown in Figure 4, the logic blocks of the **Fraud** Detection sub-system 310 includes a data integrity checker 312, a rule-based gross **fraud** comparator 314, a credit authorization/**fraud** score generator 316, and rule based **fraud** score comparator 318. The interaction of these logic blocks will be explained with reference to...

...flow diagram as shown in Figure 3.

Once the order data is input into the **Fraud** Detection sub-system 310, the data integrity checker 312 initially performs a data integrity check ...Once the order passes the data integrity check, the order then proceeds to the gross **fraud** comparator 314.

Gross **fraud** check involves searching the **Fraud** Database 730 internal to the transaction processor 10 of the present invention for history of bad credit by the customer submitting the order. The gross **fraud** check of S the present invention acts as an initial filter for rejecting obvious **fraudulent** orders such as orders from "black-listed" customers in the **Fraud** Database 730 with previous histories of bad credit, orders from countries other than the United States under economic crisis, etc.

If an order fails the gross **fraud** check, the order is passed to Customer Service 340 and the customer is immediately notified...

...the order cannot be processed. If, on the other hand, the order passes the gross **fraud** check, the order is then checked for credit card authorization from a financial institution, such as a commercially available **fraud** check-service and AVS (Address Verification Service).

Based on the information received from the financial institution, a **fraud** level score, for example, is generated by the credit authorization/**fraud** score generator 316. The **fraud** level score is a grading system that indicates the level of risk the order will...

...the order. The score is then compared with several predetermined thresholds by the rule-based **fraud** score comparator 318 and takes different actions based on the comparison to these multiple thresholds...

...319.

The failed orders in the sorting bin 319 are analyzed for reasons why the **fraud** level score was so high. Failed orders are analyzed for previous purchases by the customer...

...a good history of previous purchases, for example, are low risk orders even though the **fraud** score is high and orders from customers who have no previous purchase history pose a bad names in the **Fraud** Database 730 to be used in the gross **fraud** check of subsequent orders.

Alternatively, if there are generally a high number of failed orders in the sorting bin preventing sales of products, the **fraud** scores are analyzed and either the rules for generating the **fraud** score is altered or the thresholds are dynamically modified to reduce the number of orders being rejected. Furthermore, the comparator parameters in the data integrity checker 312 and gross **fraud** comparator may also be modified based on the results of the rejected orders to optimize order validations. By incorporating multi-level **fraud** checking system in the manner of the present invention, orders that would otherwise be lost...

...be recovered thereby increasing business transactions.

Distributor Selection

Once an order has been checked for **fraud** and passes as a valid order, the products in the order are checked by the...the order is completed, the order is passed onto the Order Processing system 30.

The **Fraud** Detection sub-system 310 performs a data integrity check such as whether each of the...

...the corrections. If the order passes the integrity check, then the order undergoes the gross **fraud** check.

The gross **fraud** check determines whether the customer has a history of defaulting on payments, whether the credit...

...a "black-listed" location such as Romania or Russia.

If the order fails the gross **fraud** check, the order is sent into a sorting bin. If the order passes the gross **fraud** check, the order is sent to a commercially available **fraud** checking service such as CyberSource@.

CyberSource@ processes the order information and returns a **fraud** score. The **fraud** score is then compared to a plurality of predetermined threshold 340 and used in conjunction with other **fraud** rule based checks. If the order fails, it is placed into the sorting bin. If...

...was from an account holder who has good credit history from past purchases, whether the **fraud** score was too high because the billing address did not match the address of the...

...the Customer service representatives either contact the customer to clarify the discrepancies or override the **fraud** checks and place them into the processing bin to be sent to the Distributor Selection...

...system 330 for further processing. The rest of the failed orders are placed in the **Fraud** Database 730.

The Distributor Selection sub-system 330 sends the product information (i.e., SKU...said order to determine if the purchase order should be accepted or rejected, a gross **fraud** checker for checking the accepted orders from said data integrity checker for **fraud** based on **fraud** information stored in said database to determine if the purchase order should be accepted or rejected, a commercial authorization service for generating a **fraud** score of the orders accepted by the **fraud** checker, and a comparator for comparing said **fraud** score with a predetermined threshold to determine if the purchase order should be accepted or... integrity check to determine if the order should be accepted or rejected, performing a gross **fraud** check on accepted orders using **fraud** information stored in said database initially determine if the order should be accepted or rejected, performing a commercial **fraud** check on accepted orders to generate a **fraud** score, and comparing the **fraud** score with a predetermined threshold to either accept or reject said purchase order; and billing...

File 347:JAPIO OCT 1976 2001/Mar(UPDATED 010705)

(c) 2001 JPO & JAPIO

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200141

(c) 2001 Derwent Info Ltd

Set	Items	Description
S1	127660	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	700178	HIERARCH? OR PLURAL?
S3	83697	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	3462299	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	58833	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR NETWORK?))
S6	43329	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	1508	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANS-MI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURONET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEUROCOMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	13	((S1 OR S2) (10N)S4) (S) (S3 AND (S5 OR S6 OR S7))

8/3,K/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2001 JPO & JAPIO. All rts. reserv.

06744769 **Image available**
WIDE AREA OPERATION SYSTEM

PUB. NO.: 2000-330623 [JP 2000330623 A]
PUBLISHED: November 30, 2000 (20001130)
INVENTOR(s): KOBASHI KAZUNOBU
KAWAI TAKATOSHI
APPLICANT(s): TOSHIBA KEISO KK
TOSHIBA CORP
APPL. NO.: 11-137329 [JP 99137329]
FILED: May 18, 1999 (19990518)

ABSTRACT

...system from leaking to the outside part and all devices constituting the system from being **unauthorizedly** controlled even when one defense system is destroyed at the time of constituting the system by using the **internet** or the like.

SOLUTION: At the time of fetching data such as maintenance management data ...
... device 4 connected with an intranet 2 or portable terminal equipment 6 connected with the **internet** 5, a long-in ID and a password are **confirmed** for each **hierarchy**, and authentication is applied to each **hierarchy**. Then, the remote **monitored** and remote control of a plant is operated by the monitoring controller 4 and the...

8/3,K/2 (Item 2 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2001 JPO & JAPIO. All rts. reserv.

06707537 **Image available**
DEVICE WITH MACHINE TYPE IDENTIFYING FUNCTION, MACHINE TYPE IDENTIFYING METHOD AND STORAGE MEDIUM

PUB. NO.: 2000-293369 [JP 2000293369 A]
PUBLISHED: October 20, 2000 (20001020)
INVENTOR(s): SUGIURA TAKU
UCHIZONO TAKEJI
IZEKI YUKIMASA
TAIRA MASANOBU
AIKO YASUYUKI
APPLICANT(s): CANON INC
APPL. NO.: 11-101350 [JP 99101350]
FILED: April 08, 1999 (19990408)

ABSTRACT

... medium which prevent the performance of a device such as a copying machine from being **illegally** increased by **software** exchange or prescribed unit exchange.

SOLUTION: A main controller 11 has a backup memory 115...
... stores machine type identification information and a CPU 111 that identifies whether the machine type **identification** information of some controllers (unit) among a **plurality** of controllers (unit) is different and issues an alarm or makes the device inoperable when...

8/3,K/3 (Item 3 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2001 JPO & JAPIO. All rts. reserv.

06067438 **Image available**

DEVICE FOR PREVENTING FRAUDULENT CONTROL OF ELECTRIC POWER SYSTEM CONTROL SYSTEM

PUB. NO.: 11-008949 [JP 11008949 A]
PUBLISHED: January 12, 1999 (19990112)
INVENTOR(s): FUKUSHIMA NOBUO
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 09-159795 [JP 97159795]
FILED: June 17, 1997 (19970617)

ABSTRACT

PROBLEM TO BE SOLVED: To prevent the serious **fraudulent** control caused by **software** by **comparing** and **checking** the processing results of **plural** processing routes, and judging each final control command to be the proper final control command, and transmitting it to remote equipment.

SOLUTION: Selective control in/out control **software** 87, wherein a measure to prevent unjust control is considered, takes in final control commands obtained from different processing **softwares** 85 and 86 and compares them with each other by an accordance check means 871...
... 871, an individual control judging means 872 judges whether the final control commands from both **softwares** 85 and 86 conform to each other within a certain time. When this individual control...

... command sending-out processing means 873, designating a destination-of-transmission control equipment 6i. Thus, **fraudulent** control is prevented.

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8/3,K/4 (Item 4 from file: 347)
DIALOG(R) File 347:JAPIO
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04652958 **Image available**
SOFTWARE USE AMOUNT MANAGING SYSTEM AND STORAGE MEDIUM WITH SOFTWARE USED AMOUNT MANAGING FUNCTION

PUB. NO.: 06-324858 [JP 6324858 A]
PUBLISHED: November 25, 1994 (19941125)
INVENTOR(s): AKIYAMA RYOTA
TORII NAOYA
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-112882 [JP 93112882]
FILED: May 14, 1993 (19930514)

ABSTRACT

... 3 for management on which various kinds of regulation information(requirement limit quantity I for **software**, the number L of next hierarchy generation limit the number of hierarchy step K representing to what **hierarchy** backup version for its own can be generated, and **software** identification information PID, etc.) are written and a **software** storage medium part 1 in which the **software** is stored are set in one pair, and the use of the **software** can be permitted under the restriction of such regulation information. Also, the **software** storage part 1 may be set same as the storage medium parts 2, 3 for...

... a separation managing system as in the latter case is employed, the execution of the **software** is prohibited until the **software** identification information PID written on the medium respectively coincides with each other.

8/3,K/5 (Item 5 from file: 347)
DIALOG(R) File 347:JAPIO

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02243658 **Image available**

METHOD FOR CHECKING FUNCTION OF TRANSMISSION CONTROL PROCEDURE IMPLEMENTING SOFTWARE

PUB. NO.: 62-160558 [JP 62160558 A]
PUBLISHED: July 16, 1987 (19870716)
INVENTOR(s): OKAMOTO TOSHIYA
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 61-002506 [JP 862506]
FILED: January 09, 1986 (19860109)
JOURNAL: Section: P, Section No. 650, Vol. 11, No. 395, Pg. 162, December 24, 1987 (19871224)

ABSTRACT

... data base change instruction of a procedure JCL 6. The procedure execution task 7 fulfills **falsely** functions of **plural** tasks having the interface to a program 2 to be **checked** in accordance with the instruction of the task 5. Input data 8 is used in...

8/3,K/6 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rights reserved.

013815393 **Image available**

WPI Acc No: 2001-299605/200131

XRPX Acc No: N01-214914

Test editor method for web, involves formatting categories and questions such that they are capable of being played back over at least one of networks, standalone device and personal digital assistant

Patent Assignee: IBT TECHNOLOGIES INC (IBTT-N)

Inventor: ADAMS B N; FIETSAM B J; WARNER D E

Number of Countries: 091 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200067225	A1	20001109	WO 2000US11774	A	20000430	200131 B
AU 200048120	A	20001117	AU 200048120	A	20000430	200131

Priority Applications (No Type Date): US 99132025 A 19990430

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200067225 A1 E 33 G09B-005/14

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200048120 A G09B-005/14 Based on patent WO 200067225

Abstract (Basic):

... added to the available questions for future tests. The type of question is true or **false**, **matching**, **multiple** choice, **ranking**, fill-in the blank, labeling, short answer and essay question. A verification process is automatically...

8/3,K/7 (Item 2 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013193077 **Image available**

WPI Acc No: 2000-364950/200031

XRPX Acc No: N00-273137

Internet-based electronic commerce business transaction processor performs billing for mail customer for ordered product when selected supplier is authorized to ship product to customer

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023928	A2	20000427	WO 99US24452	A	19991019	200031 B
AU 200011244	A	20000508	AU 200011244	A	19991019	200037
EP 1040441	A2	20001004	EP 99955050	A	19991019	200050
			WO 99US24452	A	19991019	

Priority Applications (No Type Date): US 99345383 A 19990630; US 98104830 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200023928 A2 E 40 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011244 A G06F-017/60 Based on patent WO 200023928

EP 1040441 A2 E G06F-017/60 Based on patent WO 200023928

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic):

... distributors, thereby enabling larger selection of products with higher availability and aggressively compatible pricing. Utilizes multi-level fraud checking system incorporating propriety as well as commercially available fraud checking system, thereby enabling high level of risk management. The business transaction processor is fully...

8/3,K/8 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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011946124 **Image available**

WPI Acc No: 1998-363034/199831

Related WPI Acc No: 1992-325674; 1993-251292; 1993-305235; 1993-313529;

1994-103292; 1994-236841; 1994-242360; 1994-250560; 1994-311606;

1994-342258; 1995-116722; 1995-246541; 1995-341616; 1995-373939;

1995-387959; 1996-062972; 1996-268785; 1997-195354; 1997-236117;

1997-236119; 1998-181451; 1999-409639; 2000-108239; 2000-118426;

2000-184726; 2000-184727; 2000-184728; 2000-184729; 2000-184730;

2000-184731; 2000-580985; 2000-580986; 2000-580987; 2000-580988;

2000-589072; 2000-589073; 2000-589074; 2000-589075; 2000-589076;

2000-589077; 2000-589078; 2000-595507; 2000-657890; 2001-009437;

2001-009562; 2001-009563; 2001-009564; 2001-018026; 2001-063437;

2001-063438; 2001-063439; 2001-063440; 2001-063441

XRPX Acc No: N98-283412

Optical disk recording medium - has substrate with dielectric layer and recording layer, with reflecting layer and second dielectric layer laminated upon recording layer, with overcoat layer on reflecting layer, allowing recording of write one identification

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: GOTOH Y; KOISHI K; KONISHI S; MIYATAKE N; MORIYA M; MURAKAMI M; OSHIMA M; TAKEMURA Y; TANAKA S

Number of Countries: 020 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9827553	A1	19980625	WO 97JP4664	A	19971217	199831 B

EP 971345 A1 2000012 EP 97949124 A 19971217 200008
 WO 97JP4664 A 19971217
 CN 1241279 A 20000112 CN 97180845 A 19971217 200022
 KR 2000057700 A 20000925 WO 97JP4664 A 19971217 200122
 KR 99705563 A 19990618

Priority Applications (No Type Date): JP 97259110 A 19970924; JP 96339304 A 19961219; JP 979318 A 19970122

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9827553 A1 J 134 G11B-011/10

Designated States (National): CN KR US

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP 971345 A1 E G11B-011/10 Based on patent WO 9827553

Designated States (Regional): DE FR GB IT NL

CN 1241279 A G11B-011/10

KR 2000057700 A G11B-011/10 Based on patent WO 9827553

...Abstract (Basic): layer (213), and an overcoat layer (216) is formed on the surface of the reflecting layer (215). Several BCA write-once identification information systems sections (220a and 220b) are recorded in the circumferential direction of the disk...

...optical disk allows storing of write-once information usable for protecting the copyright of the software by preventing the duplication, unauthorised use of the software .

8/3,K/9 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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010372989 **Image available**

WPI Acc No: 1995-274351/199536

XRPX Acc No: N95-209646

Neural network multi-layer perceptron for on-line signature identification system - obtains linear predictive coefficient or cepstrum using linear predictive coding to extract features of signature, and sends to algorithm unit with expandable neural network

Patent Assignee: TELECOM LAB (TELE-N)

Inventor: HWANG S; JENG B; JENG N; JOU Y; WU K

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
TW 250552	A	19950701	TW 94110071	A	19941102	199536 B

Priority Applications (No Type Date): TW 94110071 A 19941102

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

TW 250552 A 10 G06F-015/20

Neural network multi-layer perceptron for on-line signature identification system...

...linear predictive coding to extract features of signature, and sends to algorithm unit with expandable neural network

8/3,K/10 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009441373 **Image available**

WPI Acc No: 1992-251312/199231

XRAM Acc No: C93-171580

XRPX Acc No: N93-298128

Diagnostic gas monitoring for trace contaminants - includes sampling

process gas, passing sample through analysers, generating output signal from each analyser, generating status signal, etc.

Patent Assignee: UNION CARBIDE IND GASES TECHNOLOGY CORP (UNIC); PRAXAIR TECHNOLOGY INC (PRAX-N); UNION CARBIDE IND GASES TECHN (UNIC)

Inventor: MALCZEWSKI M L

Number of Countries: 008 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 488120	A2	19920603	EP 91120075	A	19911125	199231	B
CA 2056111	A	19920527	CA 2056111	A	19911125	199233	
US 5265031	A	19931123	US 90618115	A	19901126	199348	
EP 488120	A3	19950301	EP 91120075	A	19911125	199541	
CA 2056111	C	19951003	CA 2056111	A	19911125	199546	
EP 488120	B1	19960925	EP 91120075	A	19911125	199643	
DE 69122357	E	19961031	DE 622357	A	19911125	199649	
			EP 91120075	A	19911125		
ES 2091848	T3	19961116	EP 91120075	A	19911125	199702	
KR 9707065	B1	19970502	KR 9121059	A	19911125	199941	

Priority Applications (No Type Date): US 90618115 A 19901126

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 488120	A2	E	32	G01N-033/00	
US 5265031	A		26	G01N-021/00	
EP 488120	B1	E		G06F-009/44	
Designated States (Regional): BE DE ES FR IT					
DE 69122357	E			G06F-009/44	Based on patent EP 488120
ES 2091848	T3			G06F-009/44	Based on patent EP 488120
CA 2056111	A			G01N-001/22	
EP 488120	A3			G01N-033/00	
CA 2056111	C			G01N-001/22	
KR 9707065	B1			G01N-021/00	

...Abstract (Equivalent): data values; (f) analysing the data values for the existence of a problem using an **expert system** rule base programme consisting of a multiplicity of rules arranged to form statements corresponding to different problems; (g) executing the rule base programme using an **expert system** shell with each problem recognised when the data values fall outside defined limits or are...

...a file of remedial actions for a preselected number of problem conditions; (i) directing the **expert system** shell to select the examination of the rules in the rule base programme in a predetermined **hierarchy** and in a linear sequence; and (j) **matching** problems identified by execution of the rule base programme with one or more preselected remedial actions in...

8/3,K/11 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009407787 **Image available**

WPI Acc No: 1993-101297/199312

XRPX Acc No: N93-077082

Adaptive digital echo canceller for voice message system - using adaptive filtering techniques in which adjacent window of coeffs. is applied to cancel filter using adaptation control coupled to adapt window module

Patent Assignee: DIGITAL SOUND CORP (DIGI-N)

Inventor: CROMACK M R; RAMAN V R

Number of Countries: 018 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9305597	A1	19930318	WO 92US7140	A	19920825	199312	B
EP 601082	A1	19940615	EP 92919105	A	19920825	199423	
			WO 92US7140	A	19920825		
JP 6510174	W	19941110	WO 92US7140	A	19920825	199504	

US 5400394 A 19950211 JP 93505239 A 19920825
 US 91752825 A 19910830 199517
 US 94265697 A 19940623
 EP 601082 A4 19960515 EP 92919105 A 19920000 199643
 CA 2116584 C 19990119 CA 2116584 A 19920825 199914
 Priority Applications (No Type Date): US 91752825 A 19910830; US 94265697 A 19940623

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 WO 9305597 A1 E 33 H04J-015/00
 Designated States (National): CA JP
 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LU MC NL SE
 EP 601082 A1 E 33 H04J-015/00 Based on patent WO 9305597
 Designated States (Regional): DE FR GB IT
 JP 6510174 W 1 H04B-003/23 Based on patent WO 9305597
 US 5400394 A 19 H04J-015/00 Cont of application US 91752825
 EP 601082 A4 H04J-015/00
 CA 2116584 C H04B-003/21

...Abstract (Equivalent): The control identifies a plurality of frames meeting a power criterion and passes the frames to the adaptive filter, which adapts on taps in frame segments during all available DSP real time, using a 'cycle steal' approach for testing whether additional DSP processor cycles are available to use for echo cancellation...

8/3,K/12 (Item 7 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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008907358 **Image available**

WPI Acc No: 1992-034627/199205

XRPX Acc No: N92-026473

Modular public telephone operating and management system - intrinsic cooperation between message concentration unit and central operating unit enables complete control of all aspects of system

Patent Assignee: TELEFONICA ESPANA S (TELE-N); TELEFONICA ESPANA SA (TELE-N)

Inventor: IBANEZ PALOMEQUE F; MIR CEPRIA J; IBANEZ P; MIR C; CEPRIA J M; PALOMEQUE F I; PALOMECE F I; SEPRIA J M; IBANEZ F

Number of Countries: 019 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 468913	A	19920129				199205 B
ES 2023338	A	19920101	ES 902024	A	19900727	199206
BR 9103127	A	19920218				199212
ZA 9105894	A	19920429	ZA 915894	A	19910726	199223
US 5233647	A	19930803	US 91733144	A	19910719	199332
PT 98010	A	19930831	PT 98010	A	19910618	199338
EP 468913	A3	19930505	EP 91500081	A	19910725	199402
EP 468913	B1	19960403	EP 91500081	A	19910725	199618
DE 69118457	E	19960509	DE 618457	A	19910725	199624
			EP 91500081	A	19910725	
RU 2113064	C1	19980610	SU 5001191	A	19910726	199952

Priority Applications (No Type Date): ES 902024 A 19900727

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 EP 468913 A 9
 Designated States (Regional): AT BE CH DE FR GB GR IT LI LU NL SE
 ZA 9105894 A 25 H04M
 US 5233647 A 7 H04M-015/00
 EP 468913 A3 9
 EP 468913 B1 E 10 H04M-017/02
 Designated States (Regional): AT BE CH DE DK FR GB GR IT LI LU NL SE
 DE 69118457 E H04M-017/02 Based on patent EP 468913

PT 98010 A M-017/02
RU 2113064 C1 M-017/00

...Abstract (Equivalent): A system for operating public modular telephones comprising: a **plurality** of modular telephones; validation and **identification** units; access units; regional billing canter; a validation and billing canter; terminals of collecting entities...
...communication with the canter operating unit; and information storage devices having system operating and management **software**, in communication with the message concentrator unit, means for controlling the message concentrator unit by...

8/3,K/13 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

007674773 **Image available**
WPI Acc No: 1988-308705/198844
XRPX Acc No: N88-234318

Network communications adaptor with partitioned common buffer memory - has node control logic allocating available bandwidth and connecting alternate memory banks cyclically to common bus
Patent Assignee: NETWORK SYSTEMS CORP (NETW-N); NETWORK SYST CORP (NETW-N)
Inventor: HUGHES J P; HUMPHREY D J; PETERSON W A; ROIGER W R
Number of Countries: 007 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 288636	A	19881102	EP 87308161	A	19870916	198844 B
US 4933846	A	19900612	US 8741985	A	19870424	199031
CA 1289673	C	19910924				199144
EP 288636	B1	19940216	EP 87308161	A	19870916	199407
DE 3789104	G	19940324	DE 3789104	A	19870916	199413
			EP 87308161	A	19870916	

Priority Applications (No Type Date): US 8741985 A 19870424

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 288636	A	E	55		
					Designated States (Regional): DE FR GB IT NL
EP 288636	B1	E	55	G06F-015/16	
					Designated States (Regional): DE FR GB IT NL
DE 3789104	G			G06F-015/16	Based on patent EP 288636

...Abstract (Equivalent): associated with each of said first and second banks, said storage protection logic (204, 206) **comparing** said address representing signals originating from one of said **plurality** of processing means (110, 112, 114, 116, 118), and present on said first and second...

...110, 112, 114, 116, 118) for generating a fault interrupt signal when access to an **unauthorised** range of said control memory addresses for said one of said plurality of processor means...

File 347:JAPIO OCT 1976-01/Mar(UPDATED 010705)

(c) 2001 JPO & JAPIO

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200140

(c) 2001 Derwent Info Ltd

Set	Items	Description
S1	127900	(MULTI? OR NUMEROUS? OR MANY OR MANIFOLD OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	83631	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S3	3876966	COMPAR? OR CHECK? OR LIKEN? OR ANALOGI? OR ANALOGY? OR PARALLEL OR MATCH? OR EXAMIN? OR VIEW? OR WEIGH? OR MEASURE? OR - CONTRAST? OR VERIF? OR CONFIRM? OR (CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW?
S4	1	(S1(S) (S2(5N)S3)) AND (IC=G06F-017/60 OR IC=G06F-007/10 OR IC=G06F-017/00 OR MC=T01-H07C5E OR MC=T01-J05A OR MC= T01-J05-B4P)

4/3,K/1 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013193077 **Image available**
WPI Acc No: 2000-364950/200031
XRPX Acc No: N00-273137

**Internet-based electronic commerce business transaction processor
performs billing for retail customer for ordered product, when selected
supplier is authorized to ship product to customer**

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023928	A2	20000427	WO 99US24452	A	19991019	200031 B
AU 200011244	A	20000508	AU 200011244	A	19991019	200037
EP 1040441	A2	20001004	EP 99955050	A	19991019	200050
			WO 99US24452	A	19991019	

Priority Applications (No Type Date): US 99345383 A 19990630; US 98104830 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200023928 A2 E 40 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011244 A G06F-017/60 Based on patent WO 200023928

EP 1040441 A2 E G06F-017/60 Based on patent WO 200023928

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic):

... distributors, thereby enabling larger selection of products with higher availability and aggressively compatible pricing. Utilizes **multi-level fraud checking** system incorporating propriety as well as commercially available **fraud checking** system, thereby enabling high level of risk management. The business transaction processor is fully automated...

International Patent Class (Main): G06F-017/60

Manual Codes (EPI/S-X): T01-H07C5E ...

File 350:Derwent WPIX 1992-2001/UD,UM &UP=200142

(c) 2001 Derwent Info Ltd

File 347:JAPIO OCT 1976-2001/Mar(UPDATED 010705)

(c) 2001 JPO & JAPIO

Set	Items	Description
S1	59368	(MULTI? OR MULTI()LEVEL? OR NUMEROUS OR MANY OR SEVERAL OR PLURAL?) (5N) (CHECK? OR COMPAR? OR EXAMIN? OR MEASUR? OR ANALY? OR VERIF? OR MONITOR?)
S2	21030	FRAUD? OR ILLEGAL? OR UNAUTHORI? OR UN()AUTHORI?
S3	122	S1 AND S2
S4	10	(IC=G06F-017/60 OR MC=T01-H07C5E) AND S3
?		

4/3,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013576163 **Image available**
WPI Acc No: 2001-060370/200107
Related WPI Acc No: 2000-686683; 2000-686684; 2000-686685; 2001-060369
XRPX Acc No: N01-045168

Entity integrity verification system for computer, has smart card for integrity challenging to monitoring component during operation and does not undertake specific action unless satisfactory response is received

Patent Assignee: HEWLETT-PACKARD CO (HEWP)
Inventor: BALACHEFF B; CHAN D
Number of Countries: 020 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200054126	A1	20000914	WO 2000GB752	A	20000303	200107 B

Priority Applications (No Type Date): GB 9929697 A 19991215; GB 995056 A 19990305

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200054126	A1	E	63	G06F-001/00	

Designated States (National): JP US
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Abstract (Basic):

... A monitoring component having a data processor and data storage device, performs **multiple** data **checks** on a computing platform. A smart card performs an integrity challenge to monitoring component in

... making them inaccessible to other platform functions and provides an environment that is immune to **unauthorized** modifications

Manual Codes (EPI/S-X): T01-H07C5E ...

4/3,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013284311 **Image available**
WPI Acc No: 2000-456246/200040
XRPX Acc No: N00-340270

Digital multimedia data utilization monitoring procedure for computer network involves comparing extracted identification code with stored code to decide copy approval using electronic watermark data

Patent Assignee: SASAKI R (SASA-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000163488	A	20000616	JP 99270575	A	19990924	200040 B

Priority Applications (No Type Date): JP 98269551 A 19980924

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000163488	A		12	G06F-017/60	

Digital multimedia data utilization monitoring procedure for computer network involves comparing extracted identification code with stored code to decide copy...

Abstract (Basic):

... An INDEPENDENT CLAIM is also included for **multimedia** data utilization **monitoring** system...

...Prevents **unauthorized** copying of data by recognizing the

identification code correctly...

...The figure shows the block diagram of **multimedia** data utilization **monitoring** system...

International Patent Class (Main): **G06F-017/60**

4/3,K/3 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rts. reserv.

013193078 **Image available**

WPI Acc No: 2000-364951/200031

XRPX Acc No: N00-273138

Internet based electronic commerce business transaction processor, performs billing for retail customer for ordered product authorized for shipment

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023929	A1	20000427	WO 99US24453	A	19991019	200031 B
AU 9964336	A	20000508	AU 9964336	A	19991019	200037
EP 1040440	A1	20001004	EP 99952033	A	19991019	200050
			WO 99US24453	A	19991019	

Priority Applications (No Type Date): US 99343547 A 19990630; US 98104829 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200023929 A1 E 41 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9964336 A G06F-017/60 Based on patent WO 200023929

EP 1040440 A1 E G06F-017/60 Based on patent WO 200023929

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

Abstract (Basic):

... distributors, thereby enabling larger selection of products with higher availability and aggressively competitive pricing. Utilizes **multilevel fraud checking** system incorporating propriety as well as commercially available **fraud** checking system, thereby enabling high level of risk management. The business transaction processor is fully...

International Patent Class (Main): **G06F-017/60**

Manual Codes (EPI/S-X): **T01-H07C5E** ...

4/3,K/4 (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rts. reserv.

013193077 **Image available**

WPI Acc No: 2000-364950/200031

XRPX Acc No: N00-273137

Internet-based electronic commerce business transaction processor performs billing for retail customer for ordered product, when selected supplier is authorized to ship product to customer

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)

Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023928	A2	20000127	WO 99US24452	A	19991019	200031 B
AU 200011244	A	20000508	AU 200011244	A	19991019	200037
EP 1040441	A2	20001004	EP 99955050	A	19991019	200050
			WO 99US24452	A	19991019	

Priority Applications (No Type Date): US 99345383 A 19990630; US 98104830 A 19981019

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200023928	A2	E	40	G06F-017/60	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011244 A G06F-017/60 Based on patent WO 200023928

EP 1040441 A2 E G06F-017/60 Based on patent WO 200023928

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic):

... distributors, thereby enabling larger selection of products with higher availability and aggressively compatible pricing. Utilizes **multi-level fraud checking** system incorporating propriety as well as commercially available **fraud** checking system, thereby enabling high level of risk management. The business transaction processor is fully...

International Patent Class (Main): G06F-017/60

Manual Codes (EPI/S-X): T01-H07C5E ...

4/3,K/5 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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013051515 **Image available**

WPI Acc No: 2000-223369/200019

XRPX Acc No: N00-167401

Customer activated multiple-value card providing a customer with an alternative or secondary use as a credit card by adding a credit feature

Patent Assignee: FIRST USA BANK NA (FIRS-N)

Inventor: BRAKE F B; SCHWARTZ D; ZIMMERMAN J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6032136	A	20000229	US 98193712	A	19981117	200019 B

Priority Applications (No Type Date): US 98193712 A 19981117

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6032136	A		15	G06F-017/60	

Abstract (Basic):

... a customer (20) and a person calling to activate the card is identified (30), using **several** different questions. After **verification**, the system advances to a secondary credit card feature offer (45) and the customer is...

... Decreased chance of **fraud** by requiring customer to directly contact the process center...

International Patent Class (Main): G06F-017/60

4/3,K/6 (Item 6 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2001 Derwent Info Ltd. All rts. reserv.

012466161 **Image available**
WPI Acc No: 1999-272269/19923
XRPX Acc No: N99-203834

Automatic ticket inspection system for traffic e.g. season ticket, coupon ticket, special-express ticket - includes memory unit to store information about station for illegal-boarding check

Patent Assignee: TOSHIBA KK (TOKE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 11086047	A	19990330	JP 97246667	A	19970911	199923 B

Priority Applications (No Type Date): JP 97246667 A 19970911

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 11086047	A	6	G07B-011/02	

... includes memory unit to store information about station for illegal-boarding check

...Abstract (Basic): 2-4) connected to center (1), have automatic ticket inspection machines (5-7) which inspect **several** effective bi-directional tickets by **comparing** ticket information with boarding information stored in memories (5b-7b). Based on the comparison result

...

...Title Terms: **ILLEGAL** ;

International Patent Class (Additional): **G06F-017/60** ...

4/3,K/7 (Item 7 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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011493339 **Image available**
WPI Acc No: 1997-471252/199744
Related WPI Acc No: 1997-494818
XRPX Acc No: N97-393168

Accounting device for monitoring use of multimedia network - includes inputs for provision information, hardware usage data and financial information for discrimination unit to inhibit or permit external device use

Patent Assignee: CANON KK (CANO)
Inventor: IWAMURA K
Number of Countries: 005 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
AU 9714955	A	19970904	AU 9714955	A	19970226	199744 B
EP 802474	A2	19971022	EP 97301292	A	19970227	199747
US 6144946	A	20001107	US 97805970	A	19970225	200059
AU 730878	B	20010315	AU 9714955	A	19970226	200121

Priority Applications (No Type Date): JP 9639830 A 19960227

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
AU 9714955	A	101	G06F-017/60	
EP 802474	A2 E		G06F-001/00	

Designated States (Regional): DE FR GB

US 6144946	A		G06F-017/60	
AU 730878	B		G06F-017/60	Previous Publ. patent AU 9714955

Accounting device for monitoring use of multimedia network...

...Abstract (Basic): **ADVANTAGE** - Prohibits **illegal** use of the terminal and contributes to spread of the network...

...International Patent Class (Main): **G06F-017/60**

4/3,K/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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011099715 **Image available**
WPI Acc No: 1997-077640/199707
XRPX Acc No: N97-064400

Fraud detection system for medical and banking industries - includes risk analysis processor comparing entity scores derived from analysis criteria giving indication of fraudulent activity

Patent Assignee: FRAUDETECT LLC (FRAU-N)

Inventor: COFOD R K

Number of Countries: 069 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9700483	A1	19970103	WO 96US10352	A	19960614	199707 B
AU 9662798	A	19970115	AU 9662798	A	19960614	199718

Priority Applications (No Type Date): US 95490984 A 19950615

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9700483 A1 E 46 G06F-015/00

Designated States (National): AL AM AT AU AZ BB BG BR BY CA CH CN CZ DE
DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN

Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GR IE IT KE
LS LU MC MW NL OA PT SD SE SZ UG

AU 9662798 A G06F-015/00 Based on patent WO 9700483

Fraud detection system for medical and banking industries...

...includes risk analysis processor comparing entity scores derived from analysis criteria giving indication of fraudulent activity

...Abstract (Basic): The **fraud** detection system includes a statistical analysis...

...at least one of **numerous analysis** criteria. An entity criterion...

...indicates whether the entity is engaging in a **fraudulent**

...

...ADVANTAGE - Provides **fraud** pre-processor detection system. Allows...

...analysis of large volumes of transaction data to detect **fraud** .

...

...Prioritises clients most likely to be engaging in **fraudulent**

...

...behaviour. Provides list of actions to take against **fraudulent**

Title Terms: **FRAUD** ;

International Patent Class (Additional): **G06F-017/60** ...

4/3,K/9 (Item 9 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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010838791 **Image available**

WPI Acc No: 1996-335744/199634

XRPX Acc No: N96-282983

Secure anonymous message transfer and electronic voting - involves sender casting encrypting vote or message that is processed through several centres and allowing interested party to verify that each vote has been properly counted

Patent Assignee: NEC CORP (NIDE); NEC RES INST INC (NIDE)

Inventor: KILIAN J J; SAKO K

Number of Countries: 007 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 723349	A2	19960724	EP 96300351	A	19960118	199634 B
JP 8263575	A	19961011	JP 95335493	A	19951222	199651
US 5682430	A	19971028	US 95376568	A	19950123	199749
JP 3003771	B2	20000131	JP 95335493	A	19951222	200010
EP 723349	B1	20010620	EP 96300351	A	19960118	200136

Priority Applications (No Type Date): US 95376568 A 19950123

Patent Details:

Patent No	Kind	Lang	Pg	Main IPC	Filing Notes
EP 723349	A2	E	11	H04L-009/32	
Designated States (Regional): DE ES FR GB NL					
JP 8263575	A		32	G06F-019/00	
US 5682430	A		9	H04L-009/30	
JP 3003771	B2		9	G06F-019/00	Previous Publ. patent JP 8263575
EP 723349	B1	E		H04L-009/32	
Designated States (Regional): DE ES FR GB NL					

...Abstract (Basic): ADVANTAGE - Prevents **fraud** and authenticates votes.
Can be realised by current generation personal computers with access to
electronic bulletin board. Reduces amount of computation necessary to
generate, transmit and **check** proofs by combining **multiple** proofs in
single proof...

International Patent Class (Additional): G06F-017/60 ...

4/3,K/10 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

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06317973 **Image available**

ELECTRONIC BUSINESS TRANSACTION SYSTEM **UNAUTHORIZED** UTILIZATION DETECTION
METHOD AND DEVICE

PUB. NO.: 11-259571 [JP 11259571 A]
PUBLISHED: September 24, 1999 (19990924)
INVENTOR(s): FUJI HITOSHI
NAKAYAMA RYUJI
IJUIN TADASHI
APPLICANT(s): NIPPON TELEGR & TELEPH CORP <NTT>
APPL. NO.: 10-063013 [JP 9863013]
FILED: March 13, 1998 (19980313)

ELECTRONIC BUSINESS TRANSACTION SYSTEM **UNAUTHORIZED** UTILIZATION DETECTION
METHOD AND DEVICE

INTL CLASS: G06F-017/60 ; G06F-011/34

ABSTRACT

PROBLEM TO BE SOLVED: To provide electronic business transaction system
unauthorized utilization detection method and device capable of detecting
the **unauthorized** utilization of a system by an **unauthorized** user and an
unauthorized client based on the result of monitoring the normal action
of a normal user and...

... 2 as a judgement standard for judging whether or not the access is by
the **unauthorized** utilization every time new access is executed and an
unauthorized utilization judgement means 7 for **comparing** the **plural**
data incorporated in the individual model and the general model supplied by
the judgement standard...

...means 1 accompanying the access and judging whether or not the access is
by the **unauthorized** utilization.

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?show files;ds

File 350:Derwent WPIX 1963-2001/UD,UM &UP=200142

File 347:JAPIO OCT 1976 01/Mar(UPDATED 010705)

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File 350:Derwent WPIX 1963-2001/UD,UM &UP=200141

(c) 2001 Derwent Info Ltd

Set	Items	Description
S1	127660	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	700178	HIERARCH? OR PLURAL?
S3	83697	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	3462299	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	58833	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR -NETWORK?))
S6	43329	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	1508	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANSMI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURONET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEUROCOMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	13	((S1 OR S2) (10N)S4) (S) (S3 AND (S5 OR S6 OR S7))
S9	22	((S1 OR S2) (S)S3(S)S4) AND (S5 OR S6 OR S7)

9/3,K/1 (Item 1 from file: 347)
DIALOG(R) File 347:JAPIO
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06806984 **Image available**
SECURITY SYSTEM

PUB. NO.: 2001-034468 [JP 2001034468 A]
PUBLISHED: February 09, 2001 (20010209)
INVENTOR(s): SHIMAMURA TSUTOMU
KOBAYASHI MASAMITSU
APPLICANT(s): SENSOR TECHNOS KK
APPL. NO.: 11-208269 [JP 99208269]
FILED: July 22, 1999 (19990722)

ABSTRACT

PROBLEM TO BE SOLVED: To provide a security system suitable for preventing the **unauthorized** copy of **software** .

SOLUTION: **Plural** LC resonance tags 1 are adhered to a CD case 23 of a CD-ROM as a **check** digital generating means at the time of install then the CD-ROM is sold, and...

... waves of the LC resonance tags can be detected. The reflected wave scanner 11 outputs **check** digits corresponding to the reflected waves of the LC resonance tags 1 to the personal computer 21. The installer of the personal computer 21 **confirms** the ID key data of the CD-ROM and the **check** digits, and executes install. After the install, the peeling or adhered position change of the...

... 1 of the CD case 23 is operated according to a message, and the installer **confirms** the change of the reflected waves, and ends the install.

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9/3,K/2 (Item 2 from file: 347)
DIALOG(R) File 347:JAPIO
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06744769 **Image available**
WIDE AREA OPERATION SYSTEM

PUB. NO.: 2000-330623 [JP 2000330623 A]
PUBLISHED: November 30, 2000 (20001130)
INVENTOR(s): KOBASHI KAZUNOBU
KAWAI TAKATOSHI
APPLICANT(s): TOSHIBA KEISO KK
TOSHIBA CORP
APPL. NO.: 11-137329 [JP 99137329]
FILED: May 18, 1999 (19990518)

ABSTRACT

...system from leaking to the outside part and all devices constituting the system from being **unauthorizedly** controlled even when one defense system is destroyed at the time of constituting the system by using the **internet** or the like.

SOLUTION: At the time of fetching data such as maintenance management data ...

... of each pump or the like connected with each control terminal equipment 3 by a **monitor** controlling device 4 connected with an intranet 2 or portable terminal equipment 6 connected with the **internet** 5, a long-in ID and a password are **confirmed** for each **hierarchy** , and authentication is applied to each **hierarchy** . Then, the remote **monitored** and remote control of a plant is operated by the **monitoring** controller 4 and the

portable terminal equipment 6.

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9/3,K/3 (Item 3 from file: 347)
DIALOG(R) File 347:JAPIO
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06707537 **Image available**
DEVICE WITH MACHINE TYPE IDENTIFYING FUNCTION, MACHINE TYPE IDENTIFYING
METHOD AND STORAGE MEDIUM

PUB. NO.: 2000-293369 [JP 2000293369 A]
PUBLISHED: October 20, 2000 (20001020)
INVENTOR(s): SUGIURA TAKU
UCHIZONO TAKEJI
IZEKI YUKIMASA
TAIRA MASANOBU
AIKO YASUYUKI
APPLICANT(s): CANON INC
APPL. NO.: 11-101350 [JP 99101350]
FILED: April 08, 1999 (19990408)

ABSTRACT

PROBLEM TO BE SOLVED: To obtain, without increasing cost, a device having a machine type **identifying** function, a machine type **identifying** method and a storage medium which prevent the performance of a device such as a copying machine from being **illegally** increased by **software** exchange or prescribed unit exchange.

SOLUTION: A main controller 11 has a backup memory 115 which stores machine type **identification** information and a CPU 111 that **identifies** whether the machine type **identification** information of some controllers (unit) among a **plurality** of controllers (unit) is different and issues an alarm or makes the device inoperable when the machine type **identification** information is different. A device controller 12 and a printer controller 13 have backup memories 125 and 135 storing the machine type **identification** information, respectively.

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9/3,K/4 (Item 4 from file: 347)
DIALOG(R) File 347:JAPIO
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06601821 **Image available**
INFORMATION PROCESSOR

PUB. NO.: 2000-187618 [JP 2000187618 A]
PUBLISHED: July 04, 2000 (20000704)
INVENTOR(s): MATSUDA TAKASHI
APPLICANT(s): CASIO COMPUT CO LTD
APPL. NO.: 10-364954 [JP 98364954]
FILED: December 22, 1998 (19981222)

ABSTRACT

PROBLEM TO BE SOLVED: To make it difficult to analyze secret information based on the **measurement** of current consumption or electromagnetic waves.

SOLUTION: The operations of a program counter block 12...

... 19, and real processing based on secret information held in a flash memory 15 and **false** processing which does not use the secret information is executed in time-vision parallel. Thus, the influence of the **false** processing is mixed with current consumption or electromagnetic waves so that the secret information can...

... high speed processing can be realized by making it unnecessary to operate switching processing by **software** processing. Moreover, **plural** common hardware is used for the real processing and the **false** processing so that the secret information becomes more difficult to be analyzed.

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9/3,K/5 (Item 5 from file: 347)
DIALOG(R) File 347:JAPIO
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06083404 **Image available**
SYSTEM AND METHOD FOR MANAGING LICENSE OF NON-GRATUITOUS SOFTWARE

PUB. NO.: 11-024918 [JP 11024918 A]
PUBLISHED: January 29, 1999 (19990129)
INVENTOR(s): NISHINO SUNAO
APPLICANT(s): NEC CORP
APPL. NO.: 09-195099 [JP 97195099]
FILED: July 04, 1997 (19970704)

SYSTEM AND METHOD FOR MANAGING LICENSE OF NON-GRATUITOUS SOFTWARE

ABSTRACT

PROBLEM TO BE SOLVED: To cope with **plural** machine types and to detect the **illegal** copy of a introduction medium of chargeable **software** by **comparing** a system number included in chargeable data with a MAC address of a computer to **verify** and starting a requested chargeable **software** when data that can be started are received from a server computer.

SOLUTION: A chargeable **software** start program 115 reads chargeable data 114 from chargeable **software** that is a start object and reads a MAC address 116 of a computer by...

...a system number of the data 114 and the address 116 of the computer is **checked**. When return data from a license management program 101 shows start permission, the program 115 starts the chargeable **software**. This prevents the **software** from being **illegally** operated on other computers.

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9/3,K/6 (Item 6 from file: 347)
DIALOG(R) File 347:JAPIO
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06067438 **Image available**
DEVICE FOR PREVENTING FRAUDULENT CONTROL OF ELECTRIC POWER SYSTEM CONTROL SYSTEM

PUB. NO.: 11-008949 [JP 11008949 A]
PUBLISHED: January 12, 1999 (19990112)
INVENTOR(s): FUKUSHIMA NOBUO
APPLICANT(s): TOSHIBA CORP
APPL. NO.: 09-159795 [JP 97159795]
FILED: June 17, 1997 (19970617)

ABSTRACT

PROBLEM TO BE SOLVED: To prevent the serious **fraudulent** control caused by **software** by **comparing** and **checking** the processing results of **plural** processing routes, and judging each final control command to be the proper final control command, and transmitting it to remote equipment.

SOLUTION: Selective control in/out control **software** 87, wherein a **measure** to prevent unjust control is considered, takes in final control commands obtained from different processing **softwares** 85 and 86 and

compares them with each other by an accordance check means 871 for individual control. At this time, when it receives the check start command signal by an accordance check processing means 871, an individual control judging means 872 judges whether the final control commands from both softwares 85 and 86 conform to each other within a certain time. When this individual control...

... command sending-out processing means 873, designating a destination-of-transmission control equipment 6i. Thus, fraudulent control is prevented.

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9/3,K/7 (Item 7 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2001 JPO & JAPIO. All rts. reserv.

05800373 **Image available**
METHOD FOR RECOGNIZING PAPER MONEY

PUB. NO.: 10-083473 [JP 10083473 A]
PUBLISHED: March 31, 1998 (19980331)
INVENTOR(s): NAKAJIMA HIDEKI
TATSUMI HIROYUKI
SAKAI HIDETAKA
APPLICANT(s): SANYO ELECTRIC CO LTD [000188] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-237963 [JP 96237963]
FILED: September 09, 1996 (19960909)

ABSTRACT

... The picture data of a recognized paper money is first fetched using a light having plural different wavelengths (S2). Then, it is roughly judged whether the recognized paper money is a true note or a false note from this picture data (S3). Then, an identification error is predicted from the picture data of the recognized paper money thus judged to be a true note, and at the same time, it is precisely judged whether the identified paper money is a true note or a false note using this identification error (S4). Then, highly accurate judgment is performed for the picture data thus judged to be a true note using a neural net (S5).

9/3,K/8 (Item 8 from file: 347)
DIALOG(R) File 347:JAPIO
(c) 2001 JPO & JAPIO. All rts. reserv.

05513431 **Image available**
DETECTING METHOD FOR ILLEGAL USE OF SOFTWARE

PUB. NO.: 09-128231 [JP 9128231 A]
PUBLISHED: May 16, 1997 (19970516)
INVENTOR(s): FUNATO MASATSURU
APPLICANT(s): NIPPON AVIONICS CO LTD [327329] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-287087 [JP 95287087]
FILED: November 06, 1995 (19951106)

DETECTING METHOD FOR ILLEGAL USE OF SOFTWARE

ABSTRACT

PROBLEM TO BE SOLVED: To detect software being used by illegal duplication...

... assigned to computers 2a to 2c of users, and ID numbers and serial numbers of software, incorporated in the devices, from the computers 2a

to 2c. The computers 2a 2c...
...1 send out their device numbers and the ID numbers and serial numbers of the **software**. According to the received information, the computer 3 **checks** whether or not the **software** having the same ID number and serial number is used by **plural** computers having different device numbers. When the same **software** is used, it is judged that the **software** is used by **illegal** duplication.

9/3,K/9 (Item 9 from file: 347)
DIALOG(R) File 347:JAPIO
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05450101 **Image available**
ADDRESS LEARNING SYSTEM FOR SWITCHING HUB

PUB. NO.: 09-064901 [JP 9064901 A]
PUBLISHED: March 07, 1997 (19970307)
INVENTOR(s): HAYAMA HIROYUKI
APPLICANT(s): HITACHI CABLE LTD [000512] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-217179 [JP 95217179]
FILED: August 25, 1995 (19950825)

ABSTRACT

...SOLUTION: **Plural** terminals are connected to a port 1 of a switching hub 11a and a **plural** terminal connection flag is set to TRUE. Only a single terminal connects respectively to ports 2, 3. The **plural** terminal connection flag is set to **FALSE**. When the **plural** terminal connection flag is set to **FALSE**, it is discriminated that only one connection terminal is connected to the concerned port. In this case, an address this time is **compared** with a precedingly received address only without retrieving an address discrimination circuit memory (CAM) for learning the address to only **check** whether or not another connection terminal is replaced. Since the **software** operating time is required in a CPU and it is not required to access a...

9/3,K/10 (Item 10 from file: 347)
DIALOG(R) File 347:JAPIO
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03155171 **Image available**
COLLATING METHOD FOR PERSONAL IDENTIFICATION NUMBER

PUB. NO.: 02-130671 [JP 2130671 A]
PUBLISHED: May 18, 1990 (19900518)
INVENTOR(s): SAKAMOTO RYOZO
FUKUSHIMA KAZUYA
KUBOTA KOJI
YASUE NOBUHIRO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
HITACHI TECHNO ENG CO LTD [419434] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-283690 [JP 88283690]
FILED: November 11, 1988 (19881111)
JOURNAL: Section: P, Section No. 1087, Vol. 14, No. 358, Pg. 93,
August 02, 1990 (19900802)

ABSTRACT

PURPOSE: To obtain the collating method of a personal **identification** number not to permit the **unfair** use of a card excepting for a fair user by dividing an encoding arithmetic expression into **plural** parts and providing one part of the expression in a card reader...

... the unfair use of the card, excepting for the fair user, can be

prevented in on line processing.

9/3,K/11 (Item 11 from file: 347)
DIALOG(R) File 347:JAPIO
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02243658 **Image available**
METHOD FOR CHECKING FUNCTION OF TRANSMISSION CONTROL PROCEDURE IMPLEMENTING
SOFTWARE

PUB. NO.: 62-160558 [JP 62160558 A]
PUBLISHED: July 16, 1987 (19870716)
INVENTOR(s): OKAMOTO TOSHIYA
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 61-002506 [JP 862506]
FILED: January 09, 1986 (19860109)
JOURNAL: Section: P, Section No. 650, Vol. 11, No. 395, Pg. 162,
December 24, 1987 (19871224)

METHOD FOR CHECKING FUNCTION OF TRANSMISSION CONTROL PROCEDURE IMPLEMENTING
SOFTWARE

ABSTRACT

PURPOSE: To facilitate checking the function of software which implements
transmission control procedures, by dividing software into a procedure
control task and a procedure execution task to check software .

...

...starting task of a procedure execution task 7 of the sequence of data to
be checked and a task to be started as a dummy based on contents of the
procedure...

... data base change instruction of a procedure JCL 6. The procedure
execution task 7 fulfills falsely functions of plural tasks having the
interface to a program 2 to be checked in accordance with the instruction
of the task 5. Input data 8 is used in...

... number is equal to the number of tasks having the interface, as a
tester, and check is always performed with only tasks 5 and 7.

9/3,K/12 (Item 1 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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013815393 **Image available**
WPI Acc No: 2001-299605/200131
XRPX Acc No: N01-214914

Test editor method for web, involves formatting categories and questions
such that they are capable of being played back over at least one of
networks, standalone device and personal digital assistant

Patent Assignee: IBT TECHNOLOGIES INC (IBTT-N)
Inventor: ADAMS B N; FIETSAM B J; WARNER D E
Number of Countries: 091 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200067225	A1	20001109	WO 2000US11774	A	20000430	200131 B
AU 200048120	A	20001117	AU 200048120	A	20000430	200131

Priority Applications (No Type Date): US 99132025 A 19990430

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200067225	A1	E	33	G09B-005/14	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY CA CH

CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU IL IN IS JP KE
KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU
SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW
AU 200048120 A G09B-005/14 Based on patent WO 200067225

Abstract (Basic):

... added to the available questions for future tests. The type of question is true or false , matching , multiple choice, ranking , fill-in the blank, labeling, short answer and essay question. A verification process is automatically performed to verify the accuracy and validity of the test. An INDEPENDENT CLAIM is also included for test...

...The software provides the user with several capabilities such as browsing the test questions, saving and terminating...

9/3,K/13 (Item 2 from file: 350)
DIALOG(R) File 350:Derwent WPIX
(c) 2001 Derwent Info Ltd. All rts. reserv.

013193077 **Image available**
WPI Acc No: 2000-364950/200031
XRPX Acc No: N00-273137

Internet-based electronic commerce business transaction processor performs billing for retail customer for ordered product, when selected supplier is authorized to ship product to customer

Patent Assignee: HARDWARESTREET.COM INC (HARD-N)
Inventor: ALVIN R S

Number of Countries: 085 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200023928	A2	20000427	WO 99US24452	A	19991019	200031 B
AU 200011244	A	20000508	AU 200011244	A	19991019	200037
EP 1040441	A2	20001004	EP 99955050	A	19991019	200050
			WO 99US24452	A	19991019	

Priority Applications (No Type Date): US 99345383 A 19990630; US 98104830 A 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
WO 200023928 A2 E 40 G06F-017/60

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200011244 A G06F-017/60 Based on patent WO 200023928

EP 1040441 A2 E G06F-017/60 Based on patent WO 200023928

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Internet-based electronic commerce business transaction processor performs billing for retail customer for ordered product, when...

Abstract (Basic):

... before the purchase order is authorized for fulfillment. An INDEPENDENT CLAIM is also included for Internet -based electronic commerce business transaction processing method...

...For processing electronic commerce business transactions e.g. for computer-related products, etc. in Internet .

...

...enabling larger selection of products with higher availability and aggressively compatible pricing. Utilizes multi-level **fraud checking** system incorporating propriety as well as commercially available **fraud checking** system, thereby enabling high level of risk management. The business transaction processor is fully automated

9/3,K/14 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012204811 **Image available**
WPI Acc No: 1999-010917/199902
XRAM Acc No: C99-003796
XRPX Acc No: N99-008155

Measuring high phase differences in samples - which are birefractive and transparent and can show false colours in white light

Patent Assignee: THUERINGISCHES INST TEXTIL & KUNST (THUE-N)

Inventor: KAUFMANN S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19819670	A1	19981126	DE 1019670	A	19980502	199902 B

Priority Applications (No Type Date): DE 1019670 A 19980502

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19819670	A1		7	G01N-021/23	

...Abstract (Basic): A process and installation are for an automatic and contact-free **measurement** of high phase differences of birefractive and transparent samples (3) on the basis of senarmont fibres, filaments, films and surface structures in particular. The materials can show **false** colours in white light. The process involves determining the equatorial intensity distributions for at least...

...difference of the phase differences between each two adjacent wave lengths is determined across a **range** of **several** arrays. The absolute minimum of the absolute difference for each wave length pair is indicated...

...USE - The process is suitable for all transparent samples in a lab or **on -line** .

9/3,K/15 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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011946124 **Image available**
WPI Acc No: 1998-363034/199831
Related WPI Acc No: 1992-325674; 1993-251292; 1993-305235; 1993-313529;
1994-103292; 1994-236841; 1994-242360; 1994-250560; 1994-311606;
1994-342258; 1995-116722; 1995-246541; 1995-341616; 1995-373939;
1995-387959; 1996-062972; 1996-268785; 1997-195354; 1997-236117;
1997-236119; 1998-181451; 1999-409639; 2000-108239; 2000-118426;
2000-184726; 2000-184727; 2000-184728; 2000-184729; 2000-184730;
2000-184731; 2000-580985; 2000-580986; 2000-580987; 2000-580988;
2000-589072; 2000-589073; 2000-589074; 2000-589075; 2000-589076;
2000-589077; 2000-589078; 2000-595507; 2000-657890; 2001-009437;
2001-009562; 2001-009563; 2001-009564; 2001-018026; 2001-063437;
2001-063438; 2001-063439; 2001-063440; 2001-063441
XRPX Acc No: N98-283412

Optical disk recording medium - has substrate with dielectric layer and recording layer, with reflecting layer and second dielectric layer laminated upon recording layer, with overcoat layer on reflecting layer,

allowing recording of write one identification

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)
Inventor: GOTOH Y; KOISHI K; KONISHI S; MIYATAKE N; MORIYA M; MURAKAMI M;
OSHIMA M; TAKEMURA Y; TANAKA S
Number of Countries: 020 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9827553	A1	19980625	WO 97JP4664	A	19971217	199831 B
EP 971345	A1	20000112	EP 97949124	A	19971217	200008
			WO 97JP4664	A	19971217	
CN 1241279	A	20000112	CN 97180845	A	19971217	200022
KR 2000057700	A	20000925	WO 97JP4664	A	19971217	200122
			KR 99705563	A	19990618	

Priority Applications (No Type Date): JP 97259110 A 19970924; JP 96339304 A 19961219; JP 979318 A 19970122

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9827553	A1	J	134	G11B-011/10	
					Designated States (National): CN KR US
					Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
EP 971345	A1	E		G11B-011/10	Based on patent WO 9827553
					Designated States (Regional): DE FR GB IT NL
CN 1241279	A			G11B-011/10	
KR 2000057700	A			G11B-011/10	Based on patent WO 9827553

...Abstract (Basic): layer (213), and an overcoat layer (216) is formed on the surface of the reflecting layer (215). Several BCA write-once identification information systems sections (220a and 220b) are recorded in the circumferential direction of the disk...

...optical disk allows storing of write-once information usable for protecting the copyright of the software by preventing the duplication, unauthorised use of the software .

9/3,K/16 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX
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011526152 **Image available**
WPI Acc No: 1997-502638/199746
XRPX Acc No: N97-419024

Adaptive statistical regression and classification of data strings e.g. for detecting computer virus - developing classifier that uses occurrence frequency of features in input string to classify string, and augmenting number of exemplars in default class with additional exemplars from outside classes

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: KEPHART J O; SORKIN G B; TESAURO G J; WHITE S R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5675711	A	19971007	US 94242757	A	19940513	199746 B

Priority Applications (No Type Date): US 94242757 A 19940513

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5675711	A		13	G06E-001/00	

...Abstract (Basic): viruses from files or boot records that are not infected. Also for reverse engineering to check for patent infringement by obtaining source code from machine code, but where particular compiler used for original compilation is unknown, and where program's author deliberately hides illegal infringement or virus writing, so that identification of machine code features specific to

single compiler is necessary. Solves problem of automatically constructing...

...developed using adaptive or learning techniques from statistical regression and classification, such as, e.g., multi-layer neural networks .

9/3,K/17 (Item 6 from file: 350)
DIALOG(R) File 350:Derwent WPIX
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010277781 **Image available**
WPI Acc No: 1995-179036/199523
XRPX Acc No: N95-140529

Authenticating system for software carriers - has reader of predetermined information stored on carrier to obtain authorisation code and comparator to determine validity of publisher code

Patent Assignee: TIME WARNER ENTERTAINMENT CO LP (TIME-N)

Inventor: COOKSON C J; OSTROVER L S

Number of Countries: 058 Number of Patents: 014

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9512200	A1	19950504	WO 94US11823	A	19941013	199523 B
AU 9479821	A	19950522	AU 9479821	A	19941013	199534
US 5450489	A	19950912	US 93144829	A	19931029	199542
EP 728358	A1	19960828	EP 94930810	A	19941013	199639
			WO 94US11823	A	19941013	
AU 673634	B	19961114	AU 9479821	A	19941013	199702
JP 8510856	W	19961112	WO 94US11823	A	19941013	199708
			JP 95512695	A	19941013	
CA 2175063	C	19971230	CA 2175063	A	19941013	199812
EP 728358	A4	19970101	EP 94930810	A	19941013	199841
JP 11250573	A	19990917	JP 95512695	A	19941013	199949
			JP 98343332	A	19941013	
EP 1033711	A2	20000906	EP 94930810	A	19941013	200044
			EP 2000106556	A	19941013	
EP 728358	B1	20010307	EP 94930810	A	19941013	200114
			WO 94US11823	A	19941013	
			EP 2000106556	A	19941013	
KR 232119	B1	20000115	WO 94US11823	A	19941013	200114
			KR 96702213	A	19960429	
DE 69426828	E	20010412	DE 626828	A	19941013	200128
			EP 94930810	A	19941013	
			WO 94US11823	A	19941013	
ES 2155858	T3	20010601	EP 94930810	A	19941013	200137

Priority Applications (No Type Date): US 93144829 A 19931029

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9512200 A1 E 82 G11B-023/28

Designated States (National): AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT KE LU MC MW NL OA PT SD SE SZ

AU 9479821 A G11B-023/28 Based on patent WO 9512200

US 5450489 A 33 G11B-023/28

EP 728358 A1 E 82 G11B-023/28 Based on patent WO 9512200

Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

AU 673634 B G11B-023/28 Previous Publ. patent AU 9479821

Based on patent WO 9512200

JP 8510856 W 89 G11B-020/10

Based on patent WO 9512200

CA 2175063 C G06F-012/14

EP 728358 A4 G11B-023/28

JP 11250573 A 38 G11B-020/10 Div ex application EP 95512695
 EP 1033711 A2 E G11B-019/02 Div ex application EP 94930810
 Div ex patent EP 728358
 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
 NL PT SE
 EP 728358 B1 E G11B-023/28 Related to application EP 2000106556
 Related to patent EP 1033711
 Based on patent WO 9512200
 Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC
 NL PT SE
 KR 232119 B1 G11B-020/04
 DE 69426828 E G11B-023/28 Based on patent EP 728358
 Based on patent WO 9512200
 ES 2155858 T3 G11B-023/28 Based on patent EP 728358

Authenticating system for software carriers...

...Abstract (Equivalent): A system for playing **software** carriers which distinguishes between the **software** carriers of authorized and **unauthorized** publishers, each **software** carrier of an authorized publisher containing a **plurality** of data blocks from which a signal can be generated upon play of the carrier...

...a public-key crypto system pair and said predetermined information being a function of the **software** contents of the carrier in a lead-in section of the carrier which contains control...

...said carrier authorization code with the public key paired with said private key and for **comparing** the decrypted carrier authorization code with said derived computed code; and means for selectively allowing play of said **software** carrier in accordance with the operation of said **comparing** means...

...Title Terms: **SOFTWARE** ;

9/3,K/18 (Item 7 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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009407787 **Image available**
 WPI Acc No: 1993-101297/199312
 XRPX Acc No: N93-077082

Adaptive digital echo canceller for voice message system - using adaptive filtering techniques in which adjacent window of coeffts. is applied to cancel filter using adaptation control coupled to adapt window module

Patent Assignee: DIGITAL SOUND CORP (DIGI-N)
 Inventor: CROMACK M R; RAMAN V R
 Number of Countries: 018 Number of Patents: 006

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9305597	A1	19930318	WO 92US7140	A	19920825	199312 B
EP 601082	A1	19940615	EP 92919105	A	19920825	199423
			WO 92US7140	A	19920825	
JP 6510174	W	19941110	WO 92US7140	A	19920825	199504
			JP 93505239	A	19920825	
US 5400394	A	19950321	US 91752825	A	19910830	199517
			US 94265697	A	19940623	
EP 601082	A4	19960515	EP 92919105	A	19920000	199643
CA 2116584	C	19990119	CA 2116584	A	19920825	199914
Priority Applications (No Type Date): US 91752825 A 19910830; US 94265697 A 19940623						

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
 WO 9305597 A1 E 33 H04J-015/00
 Designated States (National): CA JP
 Designated States (Regional): AT BE CH DE DKES FR GB GR IE IT LU MC NL
 SE

EP 601082 A1 E 33 H04J-015/00 Based on patent WO 9305597
 Designated States (Regional): DE FR GB IT
 JP 6510174 W 1 H04B-003/23 Based on patent WO 9305597
 US 5400394 A 19 H04J-015/00 Cont of application US 91752825
 EP 601082 A4 H04J-015/00
 CA 2116584 C H04B-003/21

...Abstract (Basic): ADVANTAGE - A **software** efficient canceller which minimises computational needs...

...Abstract (Equivalent): The **software** echo canceller uses adaptive digital filtering techniques. The voice messaging system includes analog telephone line...

...The control **identifies** a **plurality** of frames meeting a power criterion and passes the frames to the adaptive filter, which adapts on taps in frame segments during all available DSP real time, using a 'cycle steal' approach for testing whether additional DSP processor cycles are available to use for echo cancellation. A masked white noise burst may be used to initialize adaptation. A windowing function **identifies** the best taps of an adapted frame, and corresponding coefficients are copied or loaded into...

9/3,K/19 (Item 8 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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008726325 **Image available**
 WPI Acc No: 1991-230342/199131
 XRPX Acc No: N91-175621

Distributed security auditing subsystem - using audit trail of accesses to objects it protects and maintains protecting audit trail from modification or unauthorised access

Patent Assignee: IBM CORP (IBMC)
 Inventor: HECHT M S; JOHRI A; STEVES D H; WEI T T
 Number of Countries: 001 Number of Patents: 001
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5032979	A	19910716	US 90542688	A	19900622	199131 B

Priority Applications (No Type Date): US 90542688 A 19900622

...Abstract (Basic): The distributed auditing subsystem runs in a UNIX-like operating system environment with a **hierarchical** file system. An audit trail of accesses is provided to the objects it protects and maintains and protects that audit trail from modification of **unauthorised** access or destruction. The audit data generated is protected so that read access to it...

...relevant to the maintenance of the security of the system, such as the use of **identification** and authentication mechanisms, the introduction of objects into a user's address space, the deletion...

...the user, the type of event, and the success or failure of the event. An **online** compression of the audit trail log file is performed using a UNIX-type daemon process...

9/3,K/20 (Item 9 from file: 350)
 DIALOG(R) File 350:Derwent WPIX
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007956710 **Image available**
 WPI Acc No: 1989-221822/198931
 XRPX Acc No: N89-169265

Distributed auditing subsystem for unix-like operating system - generates, manipulates and data compresses audit information concerning actions affecting security of system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC); IBM CORP (IBMC)
Inventor: HECHT M; JOHRI ; STEVENS D H; WEI T T; HECT M ; HECHT M S
Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 325777	A	19890802	EP 88121479	A	19881222	198931 B
EP 325777	B1	19940504	EP 88121479	A	19881222	199418
DE 3889444	G	19940609	DE 3889444	A	19881222	199424
			EP 88121479	A	19881222	

Priority Applications (No Type Date): US 88149342 A 19880128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 325777	A	E	34		
					Designated States (Regional): DE FR GB
EP 325777	B1	E	38	G06F-011/30	
					Designated States (Regional): DE FR GB
DE 3889444	G			G06F-011/30	Based on patent EP 325777

...Abstract (Basic): the subsystem runs in a UNIX-like operating system environment with a **hierarchical** file system. The subsystem provides an audit trail of accesses to the objects it protects and maintains and protects that audit trail from modification or **unauthorised** access or destruction. The audit data generated by the subsystem is protected so that read...

...relevant to the maintenance of the security of the system, such as the use of **identification** and authentication mechanisms, the introduction of objects into a user's address space, the deletion...

...The subsystem performs an **on -line** compression of the audit trail log file using a UNIX-type daemon process. The audit...

...Abstract (Equivalent): a client processing system at a client node (A), a distributed auditing subsystem for performing **on -line** auditing of events in said client processing system and performing **on -line** compression of an audit trail of said events in said server processing system, comprising: an...

9/3,K/21 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007674773 **Image available**
WPI Acc No: 1988-308705/198844
XRPX Acc No: N88-234318

Network communications adaptor with partitioned common buffer memory - has node control logic allocating available bandwidth and connecting alternate memory banks cyclically to common bus
Patent Assignee: NETWORK SYSTEMS CORP (NETW-N); NETWORK SYST CORP (NETW-N)
Inventor: HUGHES J P; HUMPHREY D J; PETERSON W A; ROIGER W R
Number of Countries: 007 Number of Patents: 005
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 288636	A	19881102	EP 87308161	A	19870916	198844 B
US 4933846	A	19900612	US 8741985	A	19870424	199031
CA 1289673	C	19910924				199144
EP 288636	B1	19940216	EP 87308161	A	19870916	199407
DE 3789104	G	19940324	DE 3789104	A	19870916	199413
			EP 87308161	A	19870916	

Priority Applications (No Type Date): US 8741985 A 19870424

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 288636	A	E	55		
					Designated States (Regional): DE FR GB IT NL
EP 288636	B1	E	55	G06F-015/16	

Designated States (Regional): DE FR GB IT NL
DE 3789104 G EP-015/16 Based on patent EP 200636

...Abstract (Equivalent): 1) for carrying data representing signals read out from said memory means (100); (d) a **plurality** of processing means (110, 112, 114, 116, 118) individually coupled to said first and second command buses (102, 104) and read data buses (106, 108), selected ones of said **plurality** of processing means having input-output means (120, 124, 126, 128) for communication with digital...

...associated with each of said first and second banks, said storage protection logic (204, 206) **comparing** said address representing signals originating from one of said **plurality** of processing means (110, 112, 114, 116, 118), and present on said first and second...

...bus means (102, 104) to a predetermined key I. assigned to said one of said **plurality** of processing means (110, 112, 114, 116, 118) for generating a fault interrupt signal when access to an **unauthorised** range of said control memory addresses for said one of said **plurality** of processor means (110, 112, 114, 116, 118) is attempted...

...Abstract (Equivalent): of the interconnected processors is designated as the node controller and it includes circuitry and **software** for implementing inter processor interrupt handling and storage protection functions...

9/3,K/22 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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003751143

WPI Acc No: 1983-747349/198334

XRPX Acc No: N83-150805

Interactive modular simulator for system dynamics - utilises basic hardware processor modules insertable onto electronic planning board forming flow chart of which one end contains display

Patent Assignee: JENSEN K (JENS-I)

Inventor: JENSEN K

Number of Countries: 017 Number of Patents: 015

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 8302837	A	19830818				198334 B
AU 8312227	A	19830825				198346
SE 8305451	A	19831205				198351
NO 8303561	A	19831114				198401
DE 3332130	T	19840112	DE 3332130	A	19830202	198404
NL 8320035	A	19840102				198406
EP 100341	A	19840215	EP 83900625	A	19830202	198408
GB 2125196	A	19840229	GB 8326076	A	19830202	198409
JP 59500149	W	19840126	JP 83500713	A	19830202	198410
DK 8304577	A	19840319				198418
FI 8303601	A	19840531				198428
US 4464120	A	19840807	US 82346240	A	19820205	198434
GB 2125196	B	19851120				198547
CA 1205913	A	19860610				198628
EP 100341	B	19860730				198631

Priority Applications (No Type Date): US 82346240 A 19820205

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 8302837 A F 71

Designated States (National): AT AU BE CH DE DK FI FR GB HU JP LU NL NO SE

Designated States (Regional): BE FR

EP 100341 A F

Designated States (Regional): BE FR

EP 100341 B E

Designated States (Regional): BE FR

- ...Abstract (Basic): units for e.g. displaying the result of a simulation. This avoids the use of **software** .
- /
- ...Abstract (Equivalent): or signal processing of dynamic systems, said modular simulator and signal processing system comprising a **plurality** of basic electronic hardware processor modules (10) including at least one module producing information signals...
- ...input values applied thereto, at least a logic switch module producing logic expressions of true and **false** , at least a correlator module simulating the **weighted** sum of a sampled input, at least a diffusion module simulating flow through a boundary...
- ...Abstract (Equivalent): ADVANTAGE - Avoids **software** and achieves easy interaction with user. (37pp)p

File 348:European Patent 1978-2001/Jul W03

(c) 2001 European Patent Office

File 349:PCT Fulltext 1983-2001/UB=20010712, UT=20010705

(c) 2001 WIPO/MicroPat

Set	Items	Description
S1	152400	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	428905	HIERARCH? OR PLURAL?
S3	69125	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	1528218	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	127991	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR NETWORK?))
S6	70426	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	6495	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANSMI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURONET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEUROCOMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	79	(S1 OR S2) (10N) (S3(5N)S4)
S9	32	(S1 OR S2) (5N) (S3(3N)S4)
S10	9	S9 (S) (S5 OR S6 OR S7)
S11	6	S8(20N) (S5 OR S6 OR S7)
S12	37	((S1 OR S2) (5N)S4) (S) ((S5 OR S6 OR S7) (10N)S3)
S13	21	((S1 OR S2) (3N)S4) (S) ((S5 OR S6 OR S7) (5N)S3)
S14	5	(S1 OR S2) (20N) ((S3(3N)S4) (5N) (S5 OR S6 OR S7))
S15	14	(S1 OR S2) (S) ((S3(3N)S4) (3N) (S5 OR S6 OR S7))

15/3,K/1 (Item 1 Form file: 348)
DIALOG(R) File 348:European Patents
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00741338

Connectionless communications system, test method, and intra-station control system

Verbindungsloses Kommunikationssystem, Testmethode und Intra-Station-Steuerungssystem

Systeme de communication sans connection, methode de test et systeme de gestion intra-station

PATENT ASSIGNEE:

FUJITSU LIMITED, (211460), 1015, Kamikodanaka, Nakahara-ku, Kawasaki-shi, Kanagawa 211, (JP), (applicant designated states: DE;FR;GB)

INVENTOR:

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Karakawa, Yoshiyuki, Fujitsu Kyushu Communication, Systems Ltd., Yasudaseimeihakata Bldg., 1-4-4,, Hakataekimae, Hakata-ku, Fukuoka, 812, (JP)

Kagawa, Atsushi, c/o Fujitsu Communication, Systems Ltd., 3-9-18, Shinyokohama, Kouhoku-ku, Yokohama-shi, Kanagawa, 222, (JP)

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LEGAL REPRESENTATIVE:

Ritter und Edler von Fischern, Bernhard, Dipl.-Ing. et al (9672), Hoffmann, Eitle & Partner, Patentanwalte, Arabellastrasse 4, D-81925 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 700229 A2 960306 (Basic)
EP 700229 A3 990203

APPLICATION (CC, No, Date): EP 95113111 950821;

PRIORITY (CC, No, Date): JP 94255120 940822

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: H04Q-011/04

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Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	8491
SPEC A	(English)	EPAB96	164543
Total word count - document A			173034
Total word count - document B			0
Total word count - documents A + B			173034

...SPECIFICATION to Figure 35.

Practically, the following processes are performed.

- A. At a receiving equipment
 - a. **Illegality monitoring** and error counting for PCM line code (B3ZS code)
 - b. Synchronization establishing and error counting...the data from the SBMESH connected to the downstream of the corresponding SBMESH in a **plurality** of SBMESHs daisy-chained to the output of the ASSW. The above described DMX fetches...virtual channel (PVC) through the ASSW. Since each of the SMLP and RMLP accommodates a **plurality** of SNIs, the above described transfer destination is identified by a VCI. As shown in...

...the ASSW. However, since each RMLP (receiving SBMH and GWMH) receives a message from a **plurality** of SMLPs (sending SBMH and GWMH), the message is identified by a VCI specifying each...

...PVC through the ASSW. However, since the SMIP or RMIP of each GWMH accommodates a **plurality** of ISSIs or ICIs, it is individually identified depending on the VCI specifying each PVC...

15/3,K/2 (Item 1 from file: 349)
DIALOG(R) File 349:PCT Fulltext
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00814140

A METHOD FOR A VIRTUAL TRADE FINANCIAL FRAMEWORK
PROCEDE DESTINE A UN SCHEMA FINANCIER DE COMMERCE VIRTUEL
Patent Applicant/Assignee:

ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

LEONG Cheah Wee, 16 Jalan BK4/6E, Bandar Kinrara, Puchong, 58200,
Selangor, MY,
NG William, 101 Whampoa Drive #15-176, Singapore, SG,

Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, P.O. Box
52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200146846 A2 20010628 (WO 0146846)
Application: WO 2000US35429 20001222 (PCT/WO US0035429)
Priority Application: US 99470030 19991222; US 99470041 19991222; US
99470044 19991222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 105681

Fulltext Availability:

Detailed Description

Detailed Description

... in a virtual trade financial environment. In operation 1302, a form is submitted to a **plurality** of buyers providing details on products or services available from a **plurality** of sellers. This is to prompt the submission of bids on the products or services...order proforma, invoice. As an option, the form may include a first section indicating a **plurality** of terms, a second section indicating requirements of the buyers with respect to the terms...financial transaction-related document. In operation 2802, a buyer is allowed to select among a **plurality** of documents associated with a proposed transaction. In operation 2804, the buyer is permitted to...during the transaction.

In another embodiment, the form may include a first section indicating a **plurality** of shipping terms, a second section indicating requirements of the buyers with respect to the...original plain text Interoperability with other eCommerce Operating Models Participation in a world-wide certification **hierarchy** Cross certification with other certification authorities a Security deployment on the Internet Exchange of third... those found in Figure 62. Referring to Figure 61, TradeDirect 6100 is connected to a **plurality** of eMarkets 6102, and may be connected to a payments network 6104, credit rating agency...for affording credit rating and reporting utilizing a network. In operation 6302, transactions between a **plurality** of buyers and sellers are facilitated by offering a **plurality** of services. Such services may include allowing the buyers and the sellers to negotiate terms...

15/3,K/3 (Item 2 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00777046

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR E-COMMERCE BASED PERFORMANCE MODELING
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR LA MODELISATION DE PERFORMANCES BASEE SUR LE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 'S-Gravenhage, NL, NL
(Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HICKMAN Paul L, Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200110082 A2 20010208 (WO 0110082)
Application: WO 2000US20548 20000728 (PCT/WO US0020548)
Priority Application: US 99364732 19990730

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 133448

Fulltext Availability:
Detailed Description

Detailed Description

... of the system and management data generated by the system. Data can be manipulated for various forms of output.

By integrating the operational architecture it is possible to reduce the number...with other Functions
Anticipated Volume of Data & Transaction Throughput Number of Users for the Tool Level of Support Required INSTALLATION Oracle Database
Installation Overview Assumptions This portion of the present description ...the application, and may need to be analyzed against specific client needs.

Name Qty Hardware Software
233
Name Qty Hardware Software
Application NA Browser Microsoft Internet Explorer v4.01 User Dependent
...

15/3,K/4 (Item 3 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00777022

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR AN E-COMMERCE BASED ARCHITECTURE

SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR UNE ARCHITECTURE BASEE SUR LE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 'S Gravenhage, NL, NL
(Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HICKMAN Paul L (et al) (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109794 A2-A3 20010208 (WO 0109794)

Application: WO 2000US20704 20000728 (PCT/WO US0020704)

Priority Application: US 99364734 19990730

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 133646

Fulltext Availability:

Detailed Description

Detailed Description

... following table provides a list of the user accounts, roles and schemas used during ReTA Phase 1 development.

Account Name Description

RETA-ARCH Architecture Schema. This account contains various architecture related...Resume Next

ChkMemUserGUID = ChkUserObject.Get("GUID") if Err.Nurnber < > 0 the
IsError = True else IsError = False end if if checkPassword = I then
REM Create Event Handler that may be used in this function and function

...

15/3,K/5 (Item 4 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00777021

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR AN E-COMMERCE BASED USER FRAMEWORK DESIGN FOR MAINTAINING USER PREFERENCES, ROLES AND DETAILS
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE UTILISES EN COMMERCE ELECTRONIQUE POUR LA CONCEPTION DE STRUCTURES D'UTILISATEURS DESTINEES A PRESERVER LES PREFERENCES, ROLES ET DETAILS DES UTILISATEURS

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 's Gravenhage, The Hague, NL,
NL (Residence), NL (Nationality), (For all designated states except:
US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US
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Legal Representative:

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CA, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109792 A2 20010208 (WO 0109792)
Application: WO 2000US20549 20000728 (PCT/WO US0020549)
Priority Application: US 99364091 19990730

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US
UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 133373

15/3,K/6 (Item 5 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00777016

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR MAINTAINING DATA IN AN E-COMMERCE BASED TECHNICAL ARCHITECTURE
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DE MAINTIEN DES DONNEES DANS UNE ARCHITECTURE TECHNIQUE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPERTIES BV, Parkstraat 83, NL-2514 JG 'S Gravenhage, NL, NL
(Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US
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Legal Representative:

HICKMAN Paul L, Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto,
CA 94303, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109751 A2 20010208 (WO 0109751)
Application: WO 2000US20546 20000728 (PCT/WO US0020546)
Priority Application: US 99364535 19990730

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK
DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR
TT UA UG US UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 134426

Fulltext Availability:

Detailed Description

Detailed Description

... activity (held by the session's "activity context" object). If found, returns true, else returns **false** .

Add the requested activity (references held by the session's "activity context" object). Set the...running Windows NT Server 4.0 Enterprise Edition.

Install/Configure Web and Application Server Components **Step Step**
Description Notes

I Install Windows NT Server v 4.0 Enterprise Edition. It may be...

15/3,K/7 (Item 6 from file: 349)

DIALOG(R)File 349:PCT Fulltext

(c) 2001 WIPO/MicroPat. All rts. reserv.

00777011

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A CODES TABLE FRAMEWORK DESIGN IN AN E-COMMERCE ARCHITECTURE

SYSTEME, PROCEDE ET ARTICLE FABRIQUE POUR LA CONCEPTION D'UNE STRUCTURE DE TABLES DE CODES DANS UNE ARCHITECTURE DE COMMERCE ELECTRONIQUE

Patent Applicant/Assignee:

AC PROPRIETIES BV, Parkstraat 83, NL-2514 JG 'S Gravenhage, The Hague, NL, NL (Residence), NL (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

UNDERWOOD Roy A, 4436 Hearthmoor Court, Long Grove, IL 60047, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:

HICKMAN Paul L, Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200109716 A2 20010208 (WO 0109716)

Application: WO 2000US20705 20000728 (PCT/WO US0020705)

Priority Application: US 99364491 19990730

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US

UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 133230

Fulltext Availability:

Detailed Description

Detailed Description

... of the system and management data generated by the system. Data can be manipulated for **various** forms of output.

By integrating the operational architecture it is possible to reduce the number...Resume Next

ChkMemUserGUID = ChkUserObject.Get("GUID") if Err.Number < > 0 the

IsError = True else Error = False end if if checkpassword = 1 then
REM Create Event Handler that may be used in this function function Set
...

15/3,K/8 (Item 7 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00683675 **Image available**

METHOD AND APPARATUS FOR PROVIDING CONNECTIONS OVER A NETWORK
PROCEDE ET APPAREIL PERMETTANT D'EFFECTUER DES CONNEXIONS SUR UN RESEAU
Patent Applicant/Assignee:

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TX 75080-2636 , US

Inventor(s):

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GMUENDER John Everett, GMUENDER, John, Everett , 1315 Dell Avenue,
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Patent and Priority Information (Country, Number, Date):

Patent: WO 9966692 A1 19991223

Application: WO 98US13255 19980620 (PCT/WO US9813255)

Priority Application: US 98100619 19980619

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD

MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ

VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH

CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML

MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 43462

Fulltext Availability:

Detailed Description

Detailed Description

... diagram of a multi-dial procedure of the client dispatch application;
Figure 8 illustrates a **plurality** of MOT (a computer script language)
potential processes; Figure 9 is a block diagram of...

...showing of how the present invention may be used in combination with
browser plug in **software** to minimize **unauthorized viewing** of email
messages; Figure I I provides more detail for illustrating the process of
Figure...

15/3,K/9 (Item 8 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00638665 **Image available**

EQUIPMENT TRACKING SYSTEM
SYSTEME DE SUIVI D'EQUIPEMENTS

Patent Applicant/Assignee:

FINCH Vance, FINCH, Vance , P.O. Box 734, Ottawa, KS 66067 , US

Inventor(s):

FINCH Vance, FINCH, Vance , P.O. Box 734, Ottawa, KS 66067 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921610 A1 19990506

Application: WO 98US21957 19981016 (PCT/WO US9821957)

Priority Application: US 97960492 19971029

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG

MK MN MW MX NO NZ PT RO RU SD SE SG SI SK SL TJ TM TT UA UG US UZ
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 4176

Fulltext Availability:

Detailed Description

Detailed Description

... computer system connected to the Internet.

Data stored in this system is protected by a **multi level 11** firewall" server system 6 through which all **Internet** transmissions are **monitored**. Attempts at **unauthorized** access to the database are detected and prevented by the firewall.

Additional security is provided...

15/3,K/10 (Item 9 from file: 349)
DIALOG(R) File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00592217

A COMMUNICATION SYSTEM ARCHITECTURE
ARCHITECTURE D'UN SYSTEME DE COMMUNICATION

Patent Applicant/Assignee:

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ELLIOTT Isaac K
STELLE Rick
SCHRAGE Bruce
BAXTER Craig A
ATKINSON Wesley
KNOSTMAN Chuck
CHEN Bing
VANDERSLUIS Kristan

Inventor(s):

JUN Fang, JUN, Fang , ,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9834391 A2 19980806
Application: WO 98US1868 19980203 (PCT/WO US9801868)
Priority Application: US 97794555 19970203; US 97794114 19970203; US
97794689 19970203; US 97807130 19970210; US 97798208 19970210; US
97795270 19970210; US 97797964 19970210; US 97800243 19970210; US
97798350 19970210; US 97797445 19970210; US 97797360 19970210

Designated States: AU CA GM GW ID JP MX AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 175822

Fulltext Availability:

Detailed Description

Detailed Description

... Specialized billing services are additionally provided for value added services like the 800 Collect calls.

Fraud Monitoring component is a key component of the MCI Intelligent Network providing services for preventing loss...through automated processes are provided by manual overrides.

Referring now back to Figure 7 in step 704, the various topology data are parsed to extract the data fields that are needed by SNMS algorithms
...

15/3,K/11 (Item 10 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00564762 **Image available**

SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION
SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES

Patent Applicant/Assignee:

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SPAHN Francis J, SPAHN, Francis, J. , 2410 Edwards Avenue, El Cerrito, CA 94530 , US

VAN WIE David M, VAN WIE, David, M. , 1250 Lakeside Drive, Sunnyvale, CA 94086 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9809209 A1 19980305

Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 190955

Fulltext Availability:

Detailed Description

Detailed Description

... memory pages may start at a specific page number.

The size of the block is measured by the number of memory pages it spans. Memory allocation may be recorded by setting...

15/3,K/12 (Item 11 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00542109 **Image available**

APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY
APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE INSTALLATION DE PRODUCTION DE TOLES

Patent Applicant/Assignee:

AMADA METRECS CO LTD, AMADA METRECS CO., LTD., 806, Takamori, Isehara­shi, Kanagawa 259­11, JP

AMADASOFT AMERICA INC, AMADASOFT AMERICA, INC., 14921 Northan Street, La Mirada, CA 90638, US

Inventor(s):

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92687, US

KASK Kalev, KASK, Kalev, 6376 Adobe Circle Road, Irvine, CA 92715, US
SAKAI Satoshi, SAKAI, Satoshi, 9 Avignon, Newport Coast, CA 92657, US
SCHWALB Moshe Edward, SCHWALB, Moshe, Edward, 26 Valley View, Irvine, CA
92715, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9742607 A2 19971113

Application: WO 97US7473 19970506 (PCT/WO US9707473)

Priority Application: US 9616958 19960506; US 96700671 19960731

Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Fulltext Word Count: 148636

Fulltext Availability:

Detailed Description

Detailed Description

... shown, for example, in Fig. 2. As indicated above, a more detailed description of the various processes and operations that may be performed for the various drawings when developing the bend...in the facility. The mouse may also be implemented by any commercially available mouse support software, such as Windows 95 or Windows NT, and any commercially available mouse device that is...

15/3,K/13 (Item 12 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00542093 **Image available**

APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING
INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY

APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE
INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE
INSTALLATION DE PRODUCTION DE TOLES

Patent Applicant/Assignee:

AMADA METRECS CO LTD, AMADA METRECS CO., LTD., 806, Takamori,
Isehara­shi, Kanagawa 259­11, JP

AMADASOFT AMERICA INC, AMADASOFT AMERICA, INC., 14921 Northan Street, La
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Inventor(s):

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KASK Kalev, KASK, Kalev, 6376 Adobe Circle Road, Irvine, CA 92715, US

SAKAI Satoshi, SAKAI, Satoshi, 9 Avignon, Newport Coast, CA 92657, US

SUBBARAMAN Anand Hariharan, SUBBARAMAN, Anand, Hariharan, 1101 West
Stevens Avenue &225, Santa Ana, CA 92707, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9742586 A1 19971113

Application: WO 97US7471 19970506 (PCT/WO US9707471)

Priority Application: US 9616958 19960506; US 96690671 19960731

Designated States: AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE

Publication Language: English

Filing Language: English

Fulltext Word Count: 147696

Fulltext Availability:

Detailed Description

Detailed Description

... facility.

The processes and operations of the 3-D navigation system may be implemented through software or programmed logic and by using any one of a wide variety of programming languages...from the previous cursor position to the current cursor position.

If it is determined at **step** S.321 that there is not an object at the camera (e.g., that the...sequence window display and a bend simulation window display may be provided to indicate the **various** bending **stages** of the part and to simulate the part orientation during bending operations. A bend sequence...may be made without departing from the scope and spirit of the invention and its **various aspects** . Although the invention has been described herein with reference to particular means, materials and embodiments...

15/3,K/14 (Item 13 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00252179

STEREOLITHOGRAPHIC BEAM PROFILING
PROFILAGE DE FAISCEAU STEREOLITHOGRAPHIQUE

Patent Applicant/Assignee:

3D SYSTEMS INC

Inventor(s):

SPENCE Stuart Thomas

TARNOFF Harry

ALMQUIST Thomas

Patent and Priority Information (Country, Number, Date):

Patent: WO 8911085 A1 19891116

Application: WO 89US1559 19890417 (PCT/WO US8901559)

Priority Application: US 88182830 19880418; US 88268816 19881108; US 88268837 19881108; US 88268907 19881108; US 88269801 19881108

Designated States: JP KR

Publication Language: English

Fulltext Word Count: 243557

File 348:European Patent 978-2001/Jul W03
(c) 2001 European Patent Office
File 349:PCT Fulltext 1983-2001/UB=20010712, UT=20010705
(c) 2001 WIPO/MicroPat

Set	Items	Description
S1	152921	(MULTI? OR NUMEROUS? OR MANY OR MANIFOLD OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	69125	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S3	1527521	COMPAR? OR CHECK? OR LIKEN? OR ANALOGI? OR ANALOGY? OR PARALLEL OR MATCH? OR EXAMIN? OR VIEW? OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (CROSS() (CHECK? OR REFERENCE?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW?
S4	9	S1(3N) (S2(2N) S3)
S5	544	(S1(2N) S3) (S) (ORDER? OR PAY? OR AUTHORIZ? OR AUTHORIS? OR CREDIT? OR TRANSACT?)
S6	291	(S2(2N) S3) (10N) (ORDER? OR PAY? OR AUTHORIZ? OR AUTHORIS? OR CREDIT? OR TRANSACT?)
S7	4	S6(10N) S1
S8	113	(S2(1N) S3) (5N) (ORDER? OR PURCHAS? OR AUTHORIZ? OR AUTHORIS? OR CREDIT? OR TRANSACT?)
S9	79	(S2(1N) S3) (5N) (ORDER? OR PURCHAS? OR AUTHORIZ? OR AUTHORIS?)
S10	3	S1(10N) S9
S11	399	(S1(5N) S3) (20N) (ORDER? OR PURCHAS? OR AUTHORIZ? OR AUTHORIS?)
S12	21	S11(S) S2

12/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:European Patents
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00996912

Optical drive system having servomotor operated relative to maximum quad sum signal

Optisches Plattenlaufwerkssystem mit Servomotor unter Verwendung eines Quad Sum-Signals

Systeme de disque optique avec un servomoteur utilisant un signal "quad sum"

PATENT ASSIGNEE:

Discovision Associates, (260275), 2355 Main Street, Suite 200, Irvine, CA 92614, (US), (applicant designated states: AT;BE;CH;DE;ES;FR;GB;IE;IT;LI;NL;PT;SE)

INVENTOR:

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Getreuer, Kurt Walter, 1115 Golden Hills Road, Colorado Springs, CO 80919, (US)

Grassens, Leonardus Johannes, 1636 Southwest 26th Street, Loveland, CO 80537, (US)

Lewis, David Earl, 14820 Spiritwood Loop, Black Forest, CO 80106, (US)

Schell, David Louis, 1601 Tanglewood Drive, Fort Collins, CO 80525, (US)

LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 901119 A2 990310 (Basic)

APPLICATION (CC, No, Date): EP 98203723 960118;

PRIORITY (CC, No, Date): US 376882 950125

DESIGNATED STATES: AT; BE; CH; DE; ES; FR; GB; IE; IT; LI; NL; PT; SE

RELATED PARENT NUMBER(S) - PN (AN):

EP 726564 (EP 963003504)

INTERNATIONAL PATENT CLASS: G11B-007/09; G11B-011/10;

ABSTRACT WORD COUNT: 297

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9910	839
SPEC A	(English)	9910	87937
Total word count - document A			88776
Total word count - document B			0
Total word count - documents A + B			88776

...SPECIFICATION not shown) attached to an intermediate rib 1-145.

The base plate 1-46 has **various** axes and mounting pins associated therewith. For example, a tiller pivot axis 1-148 is...predictable, the threshold for the read circuitry can be increased during the overshoot to prevent **false** data reads during positive peaks 7-339, 7-340, 7-341, and 7-342, and...Off-Track Errors for (TBD)(mu)s after the Tracking Loop is closed to prevent **false** Off-Track Errors during the settling time. A Cartridge Eject Failed Error is reported by...

12/3,K/2 (Item 2 from file: 348)
DIALOG(R) File 348:European Patents
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00792865

METHOD AND SYSTEM FOR ACCESSING DATA

VERFAHREN UND SYSTEM UM AUF DATEN ZUZUGREIFEN

PROCEDE ET SYSTEME D'ACCES A DES DONNEES

PATENT ASSIGNEE:

Thorsen, Hans Verner, (2183960), Korfsaravagen 18, 181 40 Lidingo, (SE), (Proprietor designated states: all)

INVENTOR:

Thorsen, Hans Verner, Korfsaravagen 18, 181 40 Lidingo, (SE)

LEGAL REPRESENTATIVE:

Akerman, Marten Lennart (69671), Albihns Patentbyra Malmo AB P.O.Box 4289
, 203 14 Malmo, (SE)

PATENT (CC, No, Kind, Date): EP 807290 A1 971119 (Basic)
EP 807290 B1 000503
WO 9623267 960801

APPLICATION (CC, No, Date): EP 95936839 951106; WO 95SE1315 951106
PRIORITY (CC, No, Date): SE 95277 950126

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; IE; IT; LI; NL; SE
INTERNATIONAL PATENT CLASS: G06F-017/30

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200018	2982
CLAIMS B	(German)	200018	2591
CLAIMS B	(French)	200018	3396
SPEC B	(English)	200018	7799
Total word count - document A			0
Total word count - document B			16768
Total word count - documents A + B			16768

...SPECIFICATION that the TCP/IP address to this node may be obtained.

4. Access Control

In **order** to prevent **unauthorized** access to data, access rights are **checked on several levels** in different embodiments. For example, the address of the user application or client is first...

...may communicate with an access node or with a subnode acting as a session server. **Unauthorized** intruders may thereby be detected on the basis of their communication rate. For example, external...

12/3,K/3 (Item 3 from file: 348)

DIALOG(R) File 348:European Patents

(c) 2001 European Patent Office. All rts. reserv.

00401210

Interprocessor communication

Übertragung zwischen Prozessoren

Communication entre processeurs

PATENT ASSIGNEE:

International Business Machines Corporation, (200120), Old Orchard Road,
Armonk, N.Y. 10504, (US), (applicant designated states:
AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)

INVENTOR:

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Grice, Lonnie Edward, 252 N.W. 44th Street, Boca Raton, FL 33431, (US)

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Baker, Ernest Dysart, 12032 Deer Run, Raleigh, North Carolina 27614, (US)

LEGAL REPRESENTATIVE:

Bailey, Geoffrey Alan (27921), IBM United Kingdom Limited Intellectual
Property Department Hursley Park, Winchester Hampshire SO21 2JN, (GB)

PATENT (CC, No, Kind, Date): EP 398697 A2 901122 (Basic)
EP 398697 A3 940202
EP 398697 B1 980902

APPLICATION (CC, No, Date): EP 90305312 900516;

PRIORITY (CC, No, Date): US 353115 890517

DESIGNATED STATES: AT; B CH; DE; DK; ES; FR; GB; GR; IT I; LU; NL; SE
INTERNATIONAL PATENT CLASS: G06F-015/16;
ABSTRACT WORD COUNT: 219

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	9836	397
CLAIMS B	(German)	9836	352
CLAIMS B	(French)	9836	454
SPEC B	(English)	9836	71173
Total word count - document A			0
Total word count - document B			72376
Total word count - documents A + B			72376

12/3,K/4 (Item 4 from file: 348)
DIALOG(R) File 348:European Patents
(c) 2001 European Patent Office. All rts. reserv.

00311046

Method of verifying computer software.
Verfahren zur Überprüfung von Computersoftware.
Methode pour verifier un logiciel d'ordinateur.

PATENT ASSIGNEE:

WESTINGHOUSE ELECTRIC CORPORATION, (209190), Westinghouse Building
Gateway Center, Pittsburgh Pennsylvania 15222, (US), (applicant
designated states: BE;CH;DE;ES;FR;GB;IT;LI;SE)

INVENTOR:

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Casteel, Eric Phillip, 5100 Beatty Drive, Irwin, PA 15642, (US)
Wolf, Daniel Joseph, 1515 Lucille Drive, Pittsburgh, PA 15234, (US)

LEGAL REPRESENTATIVE:

van Berlyn, Ronald Gilbert (37011), 23, Centre Heights, London NW3 6JG,
(GB)

PATENT (CC, No, Kind, Date): EP 286361 A2 881012 (Basic)
EP 286361 A3 890510
EP 286361 B1 930915

APPLICATION (CC, No, Date): EP 88303029 880405;

PRIORITY (CC, No, Date): US 35802 870408

DESIGNATED STATES: BE; CH; DE; ES; FR; GB; IT; LI; SE

INTERNATIONAL PATENT CLASS: G06F-011/00;

ABSTRACT WORD COUNT: 147

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	726
CLAIMS B	(German)	EPBBF1	637
CLAIMS B	(French)	EPBBF1	858
SPEC B	(English)	EPBBF1	6996
Total word count - document A			0
Total word count - document B			9217
Total word count - documents A + B			9217

...SPECIFICATION identifies the "BLOCKS" nesting level. The "nesting level of a "BLOCK" of code is a **measure** of how **many** control statements must be executed in **order** to reach that "BLOCK" of code. The PCG deletes all of the text between the...

...highlight the areas of code that must be tested for verification. Figure 8 illustrates the **pseudocode** generated by PCG for the unit shown in Figures 7a and b.

The second function...

12/3,K/5 (Item 1 from file: 349)

DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00814145

**A METHOD FOR EXECUTING A NETWORK-BASED CREDIT APPLICATION PROCESS
PROCEDE DE MISE EN OEUVRE D'UN PROCESSUS DE DEMANDE DE CREDIT EN RESEAU**

Patent Applicant/Assignee:

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Inventor(s):

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94115, US,

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Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037,
Palo Alto, CA 94303, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200146889 A2 20010628 (WO 0146889)

Application: WO 2000US35216 20001222 (PCT/WO US0035216)

Priority Application: US 99470805 19991222; US 99469525 19991222; US
99470039 19991222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK DM DZ

EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 105909

Fulltext Availability:

Detailed Description

Detailed Description

... made to ensure that all necessary documentation has arrived, etc. At
1010, the buyer can **check** the documents online. The buyer's bank pays
for the goods over an interface with...provide them.

A VTrade system should provide the following security features:

Authentication - No one can **pretend** to be someone else Privacy - Only
authorised people and systems can access information. This includes
privacy both during transport on the network and against **unauthorised**
insiders Non-repudiation - Users are prevented from denying that they
authorised the transaction Transaction Integrity...

12/3,K/6 (Item 2 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00802534

**ANY-TO-ANY COMPONENT COMPUTING SYSTEM
SYSTEME INFORMATIQUE A COMPOSANTS TOUTE CATEGORIE**

Patent Applicant/Assignee:

E-BRAIN SOLUTIONS LLC, 1200 Mountain Creek Road, Suite 440, Chattanooga,
TN 37405, US, US (Residence), US (Nationality), (For all designated
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Patent Applicant/Inventor:

WARREN Peter, 1200 Mountain Creek Road, Suite 440, Chattanooga, TN 37405,
US, GB (Residence), GB (Nationality), (Designated only for: US)

LOWE Steven, 1625 Starboard Drive, Hixson, TN 37343, US, US (Residence),
US (Nationality), (Designated only for: US)

Legal Representative:

MEHRMAN Michael J (agent), Paper Mill Village, Building 23, 600 Village Trace, Suite 300, Marietta, GA 30067, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200135216 A2 20010517 (WO 0135216)
Application: WO 2000US31231 20001113 (PCT/WO US0031231)
Priority Application: US 99164884 19991112

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 291515

Fulltext Availability:

Detailed Description

Detailed Description

... code records expressed in the data relation structure define a software module for performing a **multi step** operation: In other portions, data records containing numerical identifiers in a particular field, and one...an Understanding Computer should be enabled to detect what conditions are missing and take appropriate **steps** - such as issuing an appropriate user prompt to get the conditions completed so that execution...is sometimes said 'Concept X does not exist in country Y.' Such a statement is **false**. There is no way of looking inside people heads and knowing whether that concept exists...to determine if it contains '4451'. If it does contain 4451, return 'True' else return '**False** .' - Supposing that a value is entered - for example ' mountain' that can not move and therefore...

12/3,K/7 (Item 3 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00784140

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE INTERFACE ADRESSABLE GLOBALEMENT

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116735 A2 20010308 (WO 0116735)
Application: WO 2000US24198 20000831 (PCT/WO US0024198)
Priority Application: US 99387214 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK

DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 148883

Fulltext Availability:
Detailed Description

Detailed Description

... may require special performance tuning tools in the development architecture, as well as real-time **monitoring** tools in the operations architecture.

Also different technology generations may require special services in all ...

12/3,K/8 (Item 4 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00784137

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DISTRIBUTED GARBAGE COLLECTION IN ENVIRONMENT SERVICES PATTERNS
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION EN MATIERE DE RECUPERATION D'ESPACE REPARTI DANS DES MOTIFS DE SERVICES D'ENVIRONNEMENT

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6416 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116729 A2 20010308 (WO 0116729)

Application: WO 2000US24238 20000831 (PCT/WO US0024238)

Priority Application: US 99386435 19990831

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149423

Fulltext Availability:
Detailed Description

Detailed Description

... Business Component Identifying Methodology including both Planning and Delivering stages; Figure 44 shows a high level picture of application component interaction for an **Order** Entry system; Figure 45 illustrates a traditional organization structure including an activities component, a credit...and all other intelligence. Examples include: Customer, Product, Order, Inventory, Pricing, Credit Check, Billing, and **Fraud** Analysis. One might think of a Business Component as a depiction or portrait of a ...in the business domain (e.g., customers, products, orders, inventory, pricing, credit check, billing, and **fraud** analysis). This is not the same as data modeling because Business Components encapsulate both information...the information that is associated with those processes.

Examples include: Pricing, Credit Check, Billing, and Fraud Analysis. A Pricing Business Component would encapsulate everything an organization needs to know about how...

...The Billing component requests services from several entity-centric Business Components, but it also triggers Fraud Analysis 3704, a process centric Business Component, if a specific business rule is satisfied. Note...

12/3,K/9 (Item 5 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00784124

SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR A REQUEST SORTER IN A TRANSACTION SERVICES PATTERNS ENVIRONMENT

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION APPLIQUES DANS UN TRIEUR DE REQUETES D'UN ENVIRONNEMENT DE STRUCTURES DE SERVICES DE TRANSACTIONS

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116704 A2 20010308 (WO 0116704)

Application: WO 2000US24082 20000831 (PCT/WO US0024082)

Priority Application: US 99386715 19990831

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149225

Fulltext Availability:

Detailed Description

Detailed Description

... and frameworks; Figure 43 illustrates this Business Component Identifying Methodology including both Planning and Delivering stages ; Figure 44 shows a high level picture of application component interaction for an Order Entry system; Figure 45 illustrates a traditional organization structure including an activities component, a credit...and all other intelligence. Examples include: Customer, Product, Order, Inventory, Pricing, Credit Check, Billing, and Fraud Analysis. One might think of a Business Component as a depiction or portrait of a...in the business domain (e.g., customers, products, orders, inventory, pricing, credit check, billing, and fraud analysis). This is not the same as data modeling because Business Components encapsulate both information...the information that is associated with those processes.

Examples include: Pricing, Credit Check, Billing, and Fraud Analysis. A Pricing Business Component would encapsulate everything an organization needs to know about how...

...The Billing component requests services from several entity-centric Business Components, but it also triggers Fraud Analysis 3704, a

process 260 centric Business Component, if a specific business rule is satisfied...

12/3,K/10 (Item 6 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00784119

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A REFRESHABLE PROXY POOL IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT
SYSTEME, PROCEDE ET ARTICLE POUR GROUPE D'ELEMENTS MANDATAIRES (PROXY) RAFAICHISSABLES DANS UN ENVIRONNEMENT A CONFIGURATIONS DE SERVICES DE COMMUNICATION

Patent Applicant/Assignee:

ANDERSEN CONSULTING LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US
(Residence), US (Nationality)

Inventor(s):

BOWMAN-AMUAH Michel K, 6426 Peak Vista Circle, Colorado Springs, CO 80918, US,

Legal Representative:

HICKMAN Paul L (agent), Hickman Coleman & Hughes, LLP, P.O. Box 52037, Palo Alto, CA 94303-0746, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116668 A2 20010308 (WO 0116668)

Application: WO 2000US24113 20000831 (PCT/WO US0024113)

Priority Application: US 99386239 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149080

Fulltext Availability:

Detailed Description

Detailed Description

... multi-media, etc.), data access services (databases and database API libraries), distribution services (distributed TP monitor), transmission services (SNA, HLLAPI, etc.), data dictionary, desktop applications, and programming languages for call-out...in the business domain (e.g., customers, products, orders, inventory, pricing, credit check, billing, and fraud analysis). This is not the same as data modeling because Business Components encapsulate both information...the information that is associated with those processes. Examples include: Pricing, Credit Check, Billing, and Fraud Analysis. A Pricing Business Component would encapsulate everything an organization needs to know about how...

...The Billing component requests services from several entity-centric Business Components, but it also triggers Fraud Analysis 3704, a process centric Business Component, if a specific business rule is satisfied. Note...

12/3,K/11 (Item 7 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00769540 **Image available**

DOCUMENT VERIFICATION SYSTEM

SYSTEME DE VERIFICATION DOCUMENTS

Patent Applicant/Assignee:

DEXRAD (PROPRIETARY) LIMITED, BP House, 10 Junction Road, 2193 Parktown,
ZA, ZA (Residence), ZA (Nationality), (For all designated states
except: US)

Patent Applicant/Inventor:

TAME Gavin Randall, 346 Schoongezicht Street, Erasmusrand, 0181 Pretoria,
ZA, ZA (Residence), ZA (Nationality), (Designated only for: US)

Legal Representative:

DE VILLIERS Christopher Murray (et al) (agent), Spoor And Fisher,
Rochester Place, 173 Rivonia Road, Morningside, Sandton, P.O. Box
41312, 2024 Craighall, ZA,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200103077 A1 20010111 (WO 0103077)
Application: WO 2000IB908 20000705 (PCT/WO IB0000908)
Priority Application: ZA 994367 19990705

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5149

Fulltext Availability:

Detailed Description

Detailed Description

... of verification data which is printed on the document itself, enabling
future verification thereof. In **order** to hinder **fraud**, sophisticated
encryption techniques are used to generate and print the **verification**
data.

The **various aspects** of the invention are described in greater detail
below.

Figure 1 shows, in a simplified...

12/3,K/12 (Item 8 from file: 349)

DIALOG(R)File 349:PCT Fulltext

(c) 2001 WIPO/MicroPat. All rts. reserv.

00749056 **Image available**

GATEWAY WITH VOICE

PASSERELLE VOCALE

Patent Applicant/Assignee:

BROADCOM CORPORATION, 16215 Alton Parkway, Irvine, CA 92618-3616, US, US
(Residence), US (Nationality), (For all designated states except: US
pmbrk=pmyes)

Patent Applicant/Inventor:

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CA, CA (Residence), CA (Nationality), (Designated only for: US
pmbrk=pmno)

ENNS David M, 170-6651 Fraserwood Place, Richmond, British Columbia V6W
1J3, CA, CA (Residence), CA (Nationality), (Designated only for: US
pmbrk=pmno)

NICOL Jordan J, 170-6651 Fraserwood Place, Richmond, British Columbia V6W
1J3, CA, CA (Residence), CA (Nationality), (Designated only for: US
pmbrk=pmno)

KWAN Kenny C, 170-6651 Fraserwood Place, Richmond, British Columbia V6W
1J3, CA, CA (Residence), CA (Nationality), (Designated only for: US
pmbrk=pmno)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200062501 A2 20001019 (WO 0062501)
Application: WO 2000US10149 20000413 (PCT/WO US0010149)
Priority Application: US 99129134 19990413; US 99136685 19990528; US 99154903 19990920; US 99156266 19990927; US 99157470 19991001; US 99160124 19991018; US 99161152 19991022; US 99162315 19991028; US 99163169 19991102; US 99163170 19991102; US 99163600 19991104; US 99164379 19991109; US 99164689 19991110; US 99164690 19991110; US 99166289 19991118; US 99454219 19991209; US 99171203 19991215; US 99171169 19991216; US 99171180 19991216; US 99171184 19991216; US 2000178258 20000125; US 2000493458 20000128; US 2000522185 20000309

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 76060

Fulltext Availability:

Detailed Description

Detailed Description

... amplifier and A/D converter. The digitized signal is demodulated with recovered clock and carrier timing. **Matched** filters and then adaptive filters remove multi-path propagation effects and narrowband co-channel interference. Soft decisions ...can be driven with "0 1 " for an invalid data reception and "10 " for a false carrier.

3 5 FIG. 9, shows controller portion of the Ethernet MAC. The MAC receiver...to-end encryption of RTP media streams and signaling messages, to reduce the threat of **unauthorized** interception of communications. The security logic 646 preferably provides additional security services

such as, for...tone may be fed back as an echo into the DTMF detector 1076. To prevent false detection, the DTMF detector 1076 can be disabled entirely (or disabled only for the digit...two sinusoidal signals whose frequencies are separated in bandwidth and which are uncorrelated to avoid false tone detection. A DTMF signal includes one of four tones, each having a frequency in...so as to estimate how long the tone will likely continue. If the detection was false (invalid), the voice packets are ultimately released, otherwise they are discarded. This will manifest itself as occasional jitter when DTMF is falsely pre-detected. It will be appreciated by one of skill in the art that tone ...to the on and armed state. The power state machine 1316 substantially reduces or eliminates false detections due to glitches, white noise or other signal anomalies.

Turning back to FIG. 41...

12/3,K/13 (Item 9 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00741470

**SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC ACIDS ENCODING THE SAME
POLYPEPTIDES SECRETES ET TRANSMEMBRANAIRES ET ACIDES NUCLEIQUES CODANT CES
POLYPEPTIDES**

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pmbrk=pmno)

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200053756 A2 20000914 (WO 0053756)
Application: WO 2000US4341 20000218 (PCT/WO US0004341)
Priority Application: WO 99US5028 19990308; US 99123957 19990312; US
99126773 19990329; US 99130232 19990421; US 99131445 19990428; US
99134287 19990514; US 99141037 19990623; US 99145698 19990726; US
99162506 19991029; WO 99US28313 19991130; WO 99US28551 19991202; WO
99US28565 19991202; WO 99US30095 19991216; WO 99US31243 19991230; WO
99US31274 19991230; WO 2191US219191974 20000105; WO
2777US27777771919197 20000106; WO 37US6 20000106

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK
DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 193959

Fulltext Availability:

Detailed Description

Detailed Description

... sarcoma-amplified protein SAS, designated herein as PR0296.

6. PR0329

Immunoglobulin molecules play roles in many important mammalian
physiological processes. The structure of immunoglobulin molecules has
been extensively studied and it...

12/3,K/14 (Item 10 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00711018 **Image available**

DYNAMIC SELECTION OF MULTIPLE DISTRIBUTORS

SELECTION DYNAMIQUE DE MULTIPLES DISTRIBUTEURS

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Patent and Priority Information (Country, Number, Date):

Patent: 0023929 A1 20000427 (WO 200023929)
Application: 99US24453 19991019 (PCT/WO US9924453)
Priority Application: US 98104829 19981019; US 99343547 19990630
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Filing Language: English
Fulltext Word Count: 7337

Fulltext Availability:
Claims

English Abstract

...to select among a plurality of distributors based on flexible rule-based algorithm. Furthermore, a **multi-level fraud check** processing system allows **orders** to be processed that would otherwise be discarded to generate a higher yield in sales.

Claim

... Level Fraud Detection

The Fraud Detection sub-system 310 of the present invention is a **multi-level fraud checking** system used to determine if an **order** is a valid **order**. As shown in Figure 1, when an **order** is passed from the Online Shopping System 20, the Order Processing System 30 receives the... fraud scores are analyzed and the threshold is dynamically modified to reduce the number of **orders** being rejected by the **Order Processing** system 30. By incorporating **multi-level fraud checking** system in the manner of the present invention, **orders** that would otherwise be lost can be recovered

12/3,K/15 (Item 11 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00711017 **Image available**

INTERNET BUSINESS TRANSACTION PROCESSOR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

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Patent and Priority Information (Country, Number, Date):

Patent: WO 0023928 A2 20000427 (WO 200023928)
Application: WO 99US24452 19991019 (PCT/WO US9924452)
Priority Application: US 98104830 19981019

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
CM GA GN GW ML MR NE SN TD TG

Publication Language: English
Filing Language: English
Fulltext Word Count: 7729

Fulltext Availability:
Claims

English Abstract

...to select among a plurality of distributors based on flexible

rule-based algorithm. Furthermore, a multi-level fraud check processing system allows orders to be processed that would otherwise be discarded to generate a higher yield in sales.

Claim

... Level Fraud Detection

The Fraud Detection sub-system 310 of the present invention is a multi-level fraud checking system used to determine if an order is a valid order. As shown in Figure 1, when an order is passed from the Online Shopping System 20, the Order Processing System 30 receives the... fraud scores are analyzed and the threshold is dynamically modified to reduce the number of orders being rejected by the Order Processing system 30. By incorporating multi-level fraud checking system in the manner of the present invention, orders that would otherwise be lost can be recovered thereby increasing business transactions.

Distributor Selection

Once...

12/3,K/16 (Item 12 from file: 349)

DIALOG(R)File 349:PCT Fulltext

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00710999 **Image available**

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 0023909 A1 20000427 (WO 200023909)

Application: WO 99US24439 19991019 (PCT/WO US9924439)

Priority Application: US 98104831 19981019

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FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU

LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA

UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ

TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI

CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7730

Fulltext Availability:

Claims

English Abstract

...to select among a plurality of distributors based on flexible rule-based algorithm. Furthermore, a multi-level fraud check processing system allows orders to be processed that would otherwise be discarded to generate a higher yield in sales.

Claim

... Level Fraud Detection

The Fraud Detection sub-system 310 of the present invention is a multi-level fraud checking system used to determine if an order is a valid order. As shown in Figure 1, when an order is passed from the Online Shopping System 20, the Order Processing System 30 receives the... and gross fraud comparator may also be modified based on the results of the rejected orders to optimize order validations. By incorporating multi-level fraud checking system in the manner of the present invention, orders that would otherwise be lost can be recovered thereby

increasing business transactions.

Distributor Selection

Once...

12/3,K/17 (Item 13 from file: 349)
DIALOG(R)File 349:PCT Fulltext
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00679850

**MEMBRANE-BOUND PROTEINS AND NUCLEIC ACIDS ENCODING THE SAME
PROTEINES MEMBRANAIRES ET ACIDES NUCLEIQUES CODANT CES PROTEINES**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 9963088 A2-A3 19991209

Application: WO 99US12252 19990602 (PCT/WO US9912252)

Priority Application: US 9887607 19980602; US 9887609 19980602; US
9887759 19980602; US 9887827 19980603; US 9888021 19980604; US 9888025
19980604; US 9888028 19980604; US 9888029 19980604; US 9888030 19980604
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9891628 19980702; US 9891633 19980702; US 9891646 19980702; US 9891673
19980702; US 9891978 19980707; US 9891982 19980707; US 9892182 19980709
; US 9892472 19980710; US 9893339 19980720; US 9894651 19980730; US

9895282 19980804; US 9895285 19980804; US 9895301 19980804; US 9895302
19980804; US 9895318 19980804; US 9895321 19980804; US 9895325 19980804
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9896143 19980811; US 9896146 19980811; US 9896329 19980812; US 9896757
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9898014 19980826; US 9898525 19980831; US 98100634 19980916; US
99115565 19990112

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT
UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

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Fulltext Word Count: 272700

Fulltext Availability:

Detailed Description

Detailed Description

... under stringent conditions with (a) a DNA molecule encoding a PRO 1009
polypeptide having the **sequence** of amino acid residues from about I or
23 through about 615, inclusive of Figure...isolated nucleic acid
sequences hereinabove identified.

In a specific aspect, the invention provides isolated native **sequence**
PRO1056 polypeptide, which in certain embodiments, includes an amino acid
sequence comprising residues I or...

12/3,K/18 (Item 14 from file: 349)

DIALOG(R) File 349:PCT Fulltext

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00542094 **Image available**

**APPARATUS AND METHOD FOR MANAGING AND DISTRIBUTING DESIGN AND MANUFACTURING
INFORMATION THROUGHOUT A SHEET METAL PRODUCTION FACILITY**

**APPAREIL ET METHODE CORRESPONDANTE PERMETTANT DE GERER ET DE REPARTIR UNE
INFORMATION RELATIVE A LA CONCEPTION ET A LA FABRICATION DANS UNE
INSTALLATION DE PRODUCTION DE TOLES**

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SAKAI Satoshi, SAKAI, Satoshi , 9 Avignon, Newport Coast, CA 92657 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9742587 A1 19971113

Application: WO 97US7472 19970506 (PCT/WO US9707472)

Priority Application: US 9616958 19960506; US 96690084 19960731

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Publication Language: English

Filing Language: English
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Fulltext Availability:
Detailed Description

Detailed Description

... the part information, bend line information and bend model data from database 3 0 in **order** to determine the necessary tooling and the optimum bend **sequence** for the sheet metal part. In accordance with an aspect of the present invention, an...

12/3,K/19 (Item 15 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00428036

METHOD AND SYSTEM FOR ACCESSING DATA
PROCEDE ET SYSTEME D'ACCES A DES DONNEES

Patent Applicant/Assignee:

THORSEN Hans Verner

Inventor(s):

THORSEN Hans Verner

Patent and Priority Information (Country, Number, Date):

Patent: WO 9623267 A1 19960801

Application: WO 95SE1315 19951106 (PCT/WO SE9501315)

Priority Application: SE 95277 19950126

Designated States: AL AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE

HU IS JP KE KG KZ LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU

SD SE SG SI SK TT UA UG US VZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FR

GB GR IE IT LU PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 9696

Fulltext Availability:

Claims

Claim

... hospital=data,2.0.0.2,3014,12.ae,r-x

4. Access Control

In **order** to prevent **unauthorized** access to data, access rights are **checked** on **several** **levels** in different embodiments. For example, the adress of the user application or client is first...

...client may communicate with an access node or with a subnode acting as session server. **Unauthorized** intruders may thereby be detected on the basis of their communication rate. For example, external...

12/3,K/20 (Item 16 from file: 349)
DIALOG(R)File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00422569

SYSTEM FOR VERIFYING USE OF A CREDIT/IDENTIFICATION CARD INCLUDING RECORDING OF PHYSICAL ATTRIBUTES OF UNAUTHORIZED USERS

SYSTEME DE VERIFICATION DE L'UTILISATION D'UNE CARTE DE CREDIT/D'IDENTITE, A ENREGISTREMENT DES ATTRIBUTS PHYSIQUES DES UTILISATEURS NON AUTORISES

Patent Applicant/Assignee:

BOGOSIAN Charles A Jr

Patent and Priority Information (Country, Number, Date):

Patent: WO 9618168 A1 19960613

Application: WO 95US15665 19951204 (PCT/WO US9515665)

Priority Application: US 94349688 19941205

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU

IS JP KE KG KP LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG

SI SK TJ TM TT UZ VN KE LS MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT

LU MC NL PT SE CF CG CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 9349

Fulltext Availability:
Detailed Description
Detailed Description

... been tampered 21 with or changed; the provision of such an improved method 22 having ~~several cross-checking steps~~ which substantially 23 ensure **authorized** use of the card; the provision of such 24 a method capable of verifying whether...the card; the provision of such a 6 method which withholds the card from an **unauthorized** 7 user; and the provision of such a method which is capable 8 of recording a fingerprint of an **unauthorized** user.

9 Also among the several objects of the present invention are the provision of...

12/3,K/21 (Item 17 from file: 349)
DIALOG(R) File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00354537

SEQUENCE-DIRECTED DNA-BINDING MOLECULES COMPOSITIONS AND METHODS
MOLECULES, COMPOSITIONS ET PROCEDES DE LIAISON D'ADN SPECIFIQUES A DES SEQUENCES

Patent Applicant/Assignee:
GENELABS TECHNOLOGIES INC

Inventor(s):
EDWARDS Cynthia A
CANTOR Charles R
ANDREWS Beth M
TURIN Lisa M
FRY Kirk E

Patent and Priority Information (Country, Number, Date):

Patent: WO 9414980 A1 19940707
Application: WO 93US12388 19931220 (PCT/WO US9312388)
Priority Application: US 92996783 19921223; US 93123936 19930917

Designated States: AT AU BB BG BR BY CA CH CZ DE DK ES FI GB HU JP KP KR KZ
LK LU LV MG MN NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK ES FR
GB GR IE IT LU PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 87078
Fulltext Availability:
Claims

Claim

... that rank high in the assay, in order to determine whether these test sequences are **false** negatives; and (iv) sequences of any rank in the assay, in **-order** to **confirm** the assay results.

Several methods may be used to perform the competition study as long as the relative affinities...

File 348:European Patents 1979-2001/Jul W03

(c) 2001 European Patent Office

File 349:PCT Fulltext 1983-2001/UB=20010712, UT=20010705

(c) 2001 WIPO/MicroPat

Set	Items	Description
S1	152400	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	428905	HIERARCH? OR PLURAL?
S3	69125	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	1528218	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	127991	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR NETWORK?))
S6	70426	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	6495	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANSMI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURONET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEUROCOMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	79	(S1 OR S2) (10N) (S3(5N)S4)
S9	32	(S1 OR S2) (5N) (S3(3N)S4)
S10	9	S9 (S) (S5 OR S6 OR S7)
S11	6	S8(20N) (S5 OR S6 OR S7)
S12	37	((S1 OR S2) (5N)S4) (S) ((S5 OR S6 OR S7) (10N)S3)
S13	21	((S1 OR S2) (3N)S4) (S) ((S5 OR S6 OR S7) (5N)S3)
S14	5	(S1 OR S2) (20N) ((S3(3N)S4) (5N) (S5 OR S6 OR S7))

14/3,K/1 (Item 1 from file: 348)
DIALOG(R) File 348:European Patents
(c) 2001 European Patent Office. All rts. reserv.

01162087

MULTI - LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET
BUSINESS TRANSACTION PROCESSOR

BETRUGSPRUFUNG AUF MEHREREN EBENEN MIT DYNAMISCHER RUCKKOPPELUNG FUR EINEN
PROZESSOR ZUR ABWICKLUNG VON GESCHAFTSVORGANGEN IM INTERNET

SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

PATENT ASSIGNEE:

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INVENTOR:

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LEGAL REPRESENTATIVE:

Viering, Jentschura & Partner (100645), Postfach 22 14 43, 80504 Munchen,
(DE)

PATENT (CC, No, Kind, Date): EP 1040457 A1 001004 (Basic)
WO 0023909 000427

APPLICATION (CC, No, Date): EP 99970758 991019; WO 99US24439 991019

PRIORITY (CC, No, Date): US 104831 981019; US 343550 990630

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G07F-007/10

NOTE:

No A-document published by EPO

LANGUAGE (Publication,Procedural,Application): English; English; English

MULTI - LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET
BUSINESS TRANSACTION PROCESSOR

14/3,K/2 (Item 1 from file: 349)
DIALOG(R) File 349:PCT Fulltext
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00814140

A METHOD FOR A VIRTUAL TRADE FINANCIAL FRAMEWORK
PROCEDE DESTINE A UN SCHEMA FINANCIER DE COMMERCE VIRTUEL

Patent Applicant/Assignee:

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(Residence), US (Nationality)

Inventor(s):

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, P.O. Box
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200146846 A2 20010628 (WO 0146846)

Application: WO 2000US35429 20001222 (PCT/WO US0035429)

Priority Application: US 99470030 19991222; US 99470041 19991222; US
99470044 19991222

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ
VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 105681

Fulltext Availability:
Detailed Description

Detailed Description

... made to ensure that all necessary documentation has arrived, etc. At 1010, the buyer can **check** the documents **online**. The buyer's bank pays for the goods over a interface with VTrade at 1012...

A

14/3,K/3 (Item 2 from file: 349)
DIALOG(R) File 349:PCT Fulltext
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00710999 **Image available**

MULTI - LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET
BUSINESS TRANSACTION PROCESSOR
SYSTEME MULTI-NIVEAU DE LUTTE CONTRE LA FRAUDE A RETROACTION DYNAMIQUE POUR
PROCESSEUR DE TRANSACTIONS COMMERCIALES SUR INTERNET

Patent Applicant/Assignee:

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Inventor(s):

ALVIN Robert S, ALVIN, Robert, S., 187 Redwood Drive, Boulder Creek, CA
95006, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 0023909 A1 20000427 (WO 200023909)
Application: WO 99US24439 19991019 (PCT/WO US9924439)
Priority Application: US 98104831 19981019

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA
UG UZ VN YU ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ
TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI
CM GA GN GW ML MR NE SN TD TG

Publication Language: English

Filing Language: English

Fulltext Word Count: 7730

~~MULTI - LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET
BUSINESS TRANSACTION PROCESSOR~~

Fulltext Availability:
Detailed Description

Detailed Description

TITLE OF THE INVENTION

~~Multi -Level Fraud Check~~ With Dynamic Feedback for Internet
Business-Transaction-Processor FIELD OF INVENTION The present invention
relates to business transactions conducted over...

A

14/3,K/4 (Item 3 from file: 349)
DIALOG(R) File 349:PCT Fulltext
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00638665 **Image available**

~~EQUIPMENT TRACKING SYSTEM
SYSTEME DE SUIVI D'EQUIPEMENTS~~

Patent Applicant/Assignee:

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Inventor(s):

FINCH Vance, FINCH, Vance, P.O. Box 734, Ottawa, KS 66067, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9921610 A1 19990506
Application: WO 98US21957 19981016 (PCT/WO US9821957)
Priority Application: US 97960492 19971029

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES

FI GB GE GH GM HU ID IL JP KE KG KP KR KZ LC LK LR LS LU LV MD MG
MK MN MW MX NO NZ PL PT RU SD SE SG SI SK SL TJ TM TR UA UG US UZ
VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW
ML MR NE SN TD TG

Publication Language: English
Filing Language: English
Fulltext Word Count: 4176
Fulltext Availability:
Detailed Description

Detailed Description

... computer system connected to the Internet.

Data stored in this system is protected by a multi level firewall" server system 6 through which all Internet transmissions are monitored . Attempts at unauthorized access to the database are detected and prevented by the firewall.

Additional security is provided...

14/3,K/5 (Item 4 from file: 349)
DIALOG(R) File 349:PCT Fulltext
(c) 2001 WIPO/MicroPat. All rts. reserv.

00577375

**A COMMUNICATION SYSTEM ARCHITECTURE
SYSTEME, PROCEDE ET PRODUIT MANUFACTURE POUR L'ARCHITECTURE D'UN SYSTEME DE
COMMUNICATION**

Patent Applicant/Assignee:

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KELLY Patrick J III, KELLY, Patrick, J., III , 2710 Briarhurst Drive,
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Springs, CO 80919 , US
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Rapids, IA 52401 , US
RINDE Joseph, RINDE, Joseph , 7706 Fontaine Street, Potomac, MD 20854 ,
US
LITZENBERGER Paul D, LITZENBERGER, Paul, D. , 420 West Oak Street, Wylie,
TX 75098 , US
TURNER Don A, TURNER, Don, A. , 4204 Magnolia Drive, McKinney, TX 75070 ,
US
WALTERS John J, WALTERS, John, J. , 2601 Lexington, McKinney, TX 75070 ,
US
EASTEP Guido M, EASTEP, Guido, M. , 3005 Saint Germain Drive, McKinney,
TX 75070 , US
MARSHALL David D, MARSHALL, David, D. , 1008 Serenade Lane, Richardson,
TX 75081 , US
PRICE Ricky A, PRICE, Ricky, A. , 2991 Hillingdon Drive, Richardson, TX
75082 , US
SALEH Bilal A, SALEH, Bilal, A. , 1205 E. Camp McDonald Road, Prospect
Heights, IL 60070 , US

Patent and Priority Information (Country, Number, Date):

Patent: WO 9823080 A2 19980528
Application: WO 97US21174 19971114 (PCT/WO US9721174)
Priority Application: US 96751203 19961118; US 96751668 19961118; US
96752271 19961118; US 96758734 19961118; US 96751209 19961118; US
96751661 19961118; US 96752236 19961118; US 96752487 19961118; US
96752269 19961118; US 96751923 19961118; US 96751658 19961118; US
96752552 19961118; US 96751933 19961118; US 96751663 19961118; US
96746899 19961118; US 96751915 19961118; US 96752400 19961118; US
96751922 19961118; US 96751961 19961118

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES
FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN
MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU
ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES
FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD
TG

Publication Language: English
Filing Language: English
Fulltext Word Count: 188452

Fulltext Availability:
Detailed Description

Detailed Description

... Specialized billing services are additionally provided for value added
services like the 800 Collect calls.

Fraud Monitoring component is a key component of the MCI Intelligent
Network providing services for preventing loss...

File 278:Microcomputer Software Guide 2001/Jun
(c) 2001 Reed Elsevier Inc.

File 256:SoftBase:Reviews,Companies&Prods. 85-2001/Jun
(c)2001 Info.Sources Inc

Set	Items	Description
S1	1737	(MULTI? OR NUMEROUS? OR MANY OR MANIFOLD OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	1714	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S3	32935	COMPAR? OR CHECK? OR LIKEN? OR ANALOGI? OR ANALOGY? OR PARALLEL OR MATCH? OR EXAMIN? OR VIEW? OR WEIGH? OR MEASURE? OR - CONTRAST? OR VERIF? OR CONFIRM? OR (CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW?
S4	14	S1(S)S2(S)S3
S5	9	RD (unique items)

5/3,K/1 (Item 1 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00129768 DOCUMENT TYPE: Review

PRODUCT NAMES: eIDverifier (044474); RocketBridge (044725)

TITLE: RocketBridge Offers Net Credit Check
AUTHOR: Spangler, Todd
SOURCE: Inter@ctive Week, v8 n14 p30(1) Apr 9, 2001
ISSN: 1078-7259
HOMEPAGE: <http://www.interactive-week.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010630

...s eIDverifier is also highlighted in a discussion of RocketBridge's namesake authentication service, which **compares** consumer-submitted information with Trans Union's credit file. Trans Union, which will spin off...

...a huge database representing detailed reports on 220 million people. eIDverifier has 40 customers, including **CheckFree** and eBay (which are in **various stages** of deployment), and Equifax **verifies** about 300,000 consumers each month. According to RocketBridge's president Jan Davis, a 4 percent or 5 percent reduction in **fraudulent** transactions has a highly salutary effect on the bottom line of the e-merchant. With RocketBridge, for instance, an online wine-seller can **verify** that purchasers are no less than 21 years of age by **cross-checking** their information with the Trans Union database. RocketBridge also permits merchants to ask more probing...

...or 'fail' information. One user of RocketBridge is SinglesClick, an online dating service that will **verify** its members' identities.

5/3,K/2 (Item 2 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00122600 DOCUMENT TYPE: Review

PRODUCT NAMES: RealJukebox (749559); DoubleCLICK (761346)

TITLE: Don't Be Paranoid, But They're Watching
AUTHOR: Barnett, Chris
SOURCE: MicroTimes, v204 p27(3) Feb 29, 2000
HOMEPAGE: <http://www.microtimes.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20000530

RealNetworks, through its RealJukebox software, and DoubleClick, using implanted cookies, have been secretly **monitoring** users' every move, pumping the information into giant databases, selling their surfing habits and preferences...

...at these cyberspooks' practices leads into a discussion of why companies ought to perform background **checks** on potential employees. While federal and state laws, as well as legal precedents, hamper companies...

...detective with the San Jose Police says tech companies are prey to 'a lot of **theft**,' much of it inside jobs and rarely as glamorous as headlines proclaim. It is rising...

...reluctance to report crimes to the police. He says it is impossible to pinpoint potential **thieves**. Skilled interviewing and deep background **checks** are two of the best tools for determining potential risks. He cites Altera, maker of...

...pre-screening programs. Altera's safety and security manager recommends hiring a background company to **check** credit records and other public records, including criminal records. Costing anywhere from \$100 for a database search for a lower-level staffer to **several** thousand dollars for a full backgrounding, the manager sees background **checks** as a bargain.

5/3,K/3 (Item 3 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00121092 DOCUMENT TYPE: Review

PRODUCT NAMES: Gruntz (783102); Baldur's Gate (740039); Railroad Tycoon II (737585); Hoyle Board Games (737216); NHL 2000 (783072)

TITLE: Shopping Secrets: Games
AUTHOR: Staff
SOURCE: FamilyPC, p117(7) Winter 1999
ISSN: 1076-7754
HOMEPAGE: <http://www.family.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20000314

...iron horse to earn profits by laying track, hauling goods, and playing the stock market. **Many** interesting **aspects** of railroad history are also provided. Hoyle Board Games is an electronic collection of 14...
...and variations, computer components with pizzazz, and free multiplayer options. Among games included are chess, **checkers**, dominoes, Snakes and Ladders, Chinese **checkers**, Mancala, Reversi, and others. NHL 2000 is better than real hockey, with lots of goals and all the body **checks** the gamer could want. Commentary is by ESPN analyst Bill Clement, and a crowd throws hats on the ice when someone scores a hat **trick**. NHL 2000's fights are bloodless and staged to avoid excessive violence.

5/3,K/4 (Item 4 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00119930 DOCUMENT TYPE: Review

PRODUCT NAMES: OpenLinux 2.2 (656127); Red Hat Linux 6 (598399)

TITLE: Linux: OpenLinux vs. Red Hat
AUTHOR: McCracken, Harry
SOURCE: PC World, v17 n10 p141(5) Oct 1999
ISSN: 0737-8939
HOMEPAGE: <http://www.pcworld.com>

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

REVISION DATE: 20010222

Caldera Systems' OpenLinux 2.2 and Red Hat's Red Hat Linux 6 are **compared** packaged distributions of the open-source Linux operating system (OS). Both try to make Linux...

...hardware roadblocks, and a helter-skelter group of supporting business applications. All Linux implementations are **tricky** mergings of software components that combine the Linux kernel with different installation and administration tools, drivers, **many layers** of technology in a graphical user interface (GUI), and many applications. OpenLinux uses the K...

5/3,K/5 (Item 5 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00118589 DOCUMENT TYPE: Review

PRODUCT NAMES: SATAN (835358); Apache (715557); Stronghold Apache-SSL (614564); Red Hat Secure Web Server for Linux (705403); Microsoft Internet Information Server (591645)

TITLE: Network Security
AUTHOR: Reichard, Kevin
SOURCE: PERFORMANCE COMPUTING, v17 n4 p60(3) Apr 1999
ISSN: 0742-3136
HOME PAGE: <http://www.performancecomputing.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

...other facets of World Wide Web site security to network engineers and system administrators. However, **several levels** of protection are required to create a genuinely secure Web server. They includes firewalls, proxy...

...so that the network remains secure. Outsiders are routed to the firewall and asked to **verify** identities via authentication. SATAN, or Security Administrator Tool for Analyzing Networks, assists in conducting a...

...to probe the network to find any security exposures that leave the system open to **unauthorized** access. SATAN can be downloaded for UNIX and Linux versions, but no Windows NT version...

5/3,K/6 (Item 6 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00117185 DOCUMENT TYPE: Review

PRODUCT NAMES: Biometric Security (830213)

TITLE: Imaging System and biometric data Identify Airline Travelers
AUTHOR: Hardin, R Winn
SOURCE: Vision Systems Design, v4 n3 p47(7) Mar 1999
ISSN: 1089-3709
HOME PAGE: <http://www.vision-systems-design.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 19990930

...to enroll in INS PASS, as a way to authenticate their identity and to prevent **illegal** departure and arrival of criminals, terrorists, and **illegal** immigrants. The enrollment process requires establishment of the person's identity; to accomplish this, INS...
...with a scanner from Identix. INS PASS kiosks in airports are automated and unattended, but **monitored**. **Several levels of checking** are required to prevent persons from **illegally** passing through the system.

5/3,K/7 (Item 7 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00102677 DOCUMENT TYPE: Review

PRODUCT NAMES: **ACL - Audit Command Language Windows (296741); IDEA 1.2 Windows (234699); Monarch 3.0 (300179); Microsoft Excel (018160)**

TITLE: Make Audits Effective and Efficient
AUTHOR: Levi, Philip C, CMC, CFE, FCA
SOURCE: Accounting Technology, v13 n3 p45(7) Apr 1997
ISSN: 1068-6452
HOMEPAGE: <http://www.electronicaccountant.com>

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

REVISION DATE: 20000630

...costs, as well as for more responsibility on the part of the auditor to find **fraud** and other **illegal** practices. **ACL** for Windows allows analysis, interrogation, and reporting of data from just about any platform, and provides various **views** without modifying basic data. Agings are done by multiple user-configured intervals, and handy, robust batch file and batch recorder functions allow automation of recurring procedures. **Multiple level** sorting is provided, and the software finds gaps in sequences. **IDEA** for Windows is a...

...Monarch 3.0 culls data from a report file and makes it a helpful table. **Verification** of data entry is easy to do, and aberrations can be more easily found. Users...

...Excel provides conversion wizards and advanced data sorting and filtering, with robust formatting and multiple **views**.

5/3,K/8 (Item 8 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00099713 DOCUMENT TYPE: Review

PRODUCT NAMES: **GIS (830278)**

TITLE: 1997 Marks the End of the GIS Revolution
AUTHOR: Waters, Nigel
SOURCE: GIS World, v10 n1 p71(1) Jan 1997
ISSN: 0897-5507
HOMEPAGE: <http://www.gisworld.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 19990830

...hard to swallow for academic geographers because much of the early study had a mechanical **aspect** that reminded **many** of the discredited philosophy of environmental determinism. A revolution can be said to be over...

...cast out or have been changed to incorporate new ideas. When geographers with different world **views** were all discussing the importance of the quantitative revolution, they were acting like those who...

...would mislead geography in a wrong and nonproductive direction, which has been proven to be **false**. Other concerns mentioned by Burton have also been leveled at GIS. In 1997, GIS shares...

5/3,K/9 (Item 9 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2001 Info.Sources Inc. All rts. reserv.

00096845 DOCUMENT TYPE: Review

PRODUCT NAMES: UNIX (699675)

TITLE: Thwarting 'Net Attackers
AUTHOR: Fontana, John
SOURCE: Communications Week, v631 p1(2) Sep 30, 1996
ISSN: 0746-8121

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

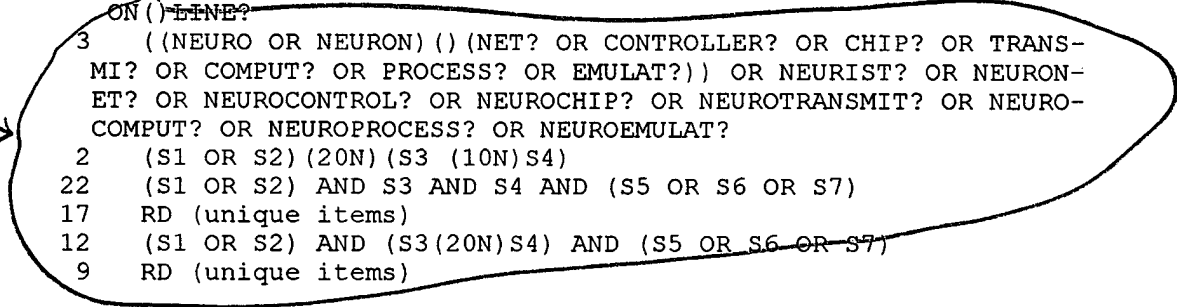
REVISION DATE: 20010222

...on the incoming requests that a server can process before locking out other requests. Another **measure** involves UNIX systems' dropping of requests deemed to be possibly **false**, while processing authentic incoming connections. To fix the TCP/IP protocol-based security glitch, UNIX...

...Syn packets, the foundational units of a TCP/IP connection. About 15 other attacks of **various levels** of seriousness were reported to the Computer Emergency Response Team (CERT). A developer says the...

Set	Items	Description
S1	1737	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	1286	HIERARCH? OR PLURAL?
S3	1714	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	37544	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	55329	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR -NETWORK?))
S6	32619	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()-LINE?
S7	3	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANSMI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURONET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEUROCOMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	2	(S1 OR S2) (20N) (S3 (10N) S4)
S9	22	(S1 OR S2) AND S3 AND S4 AND (S5 OR S6 OR S7)
S10	17	RD (unique items)
S11	12	(S1 OR S2) AND (S3 (20N) S4) AND (S5 OR S6 OR S7)
S12	9	RD (unique items)

reviewed →



12/3,K/1 (Item 1 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00122600 DOCUMENT TYPE: Review

PRODUCT NAMES: RealJukebox (749559); DoubleCLICK (761346)

TITLE: Don't Be Paranoid, But They're Watching
AUTHOR: Barnett, Chris
SOURCE: MicroTimes, v204 p27(3) Feb 29, 2000
HOME PAGE: <http://www.microtimes.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20000530

RealNetworks, through its RealJukebox software, and DoubleClick, using implanted cookies, have been secretly monitoring users' every move, pumping the information...

...reluctance to report crimes to the police. He says it is impossible to pinpoint potential thieves. Skilled interviewing and deep background checks are two of the best tools for determining potential risks. He cites Altera, maker of...

...records, including criminal records. Costing anywhere from \$100 for a database search for a lower-level staffer to several thousand dollars for a full backgrounding, the manager sees background checks as a bargain.

12/3,K/2 (Item 2 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00118589 DOCUMENT TYPE: Review

PRODUCT NAMES: SATAN (835358); Apache (715557); Stronghold Apache-SSL (614564); Red Hat Secure Web Server for Linux (705403); Microsoft Internet Information Server (591645)

TITLE: Network Security
AUTHOR: Reichard, Kevin
SOURCE: PERFORMANCE COMPUTING, v17 n4 p60(3) Apr 1999
ISSN: 0742-3136
HOME PAGE: <http://www.performancecomputing.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010430

...**PRODUCT NAMES:** 705403); Microsoft Internet Information Server...

...Venema's SATAN freeware, Apache Group's Apache HTTP WebServe, C2Net's Stronghold, Red Hat Software's Red Hat Secure Web Server for Linux, and Microsoft's Microsoft Internet Information Server (IIS) are highlighted in a discussion of network security issues that should be considered by Webmasters when developing Web sites. Although most Webmasters provide secure transactions, they often leave the nitty-gritty work required for other facets of World Wide Web site security to network engineers and system administrators. However, several levels of protection are required to create a genuinely secure Web server. They includes firewalls, proxy servers, secure Web servers software, and 128-bit encryption for

all transactions. Any **World Wide Web** server that is **linked** to the external world requires a firewall or proxy server, so...

...Administrator Tool for Analyzing Networks, assists in conducting a security audit of a network and **Internet** configuration. SATAN's purpose is to probe the network to **find** any security exposures that leave the system open to **unauthorized** access. SATAN can be downloaded for UNIX and Linux versions, but no Windows NT version...

...COMPANY NAME: 999999); Apache **Software** Foundation...

...650293); C2Net **Software** Inc...

DESCRIPTORS: Computer Security; System Monitoring; Audit; Network Administration Tools; UNIX; Linux; Web Servers; **Internet** Utilities; IIS; Webmasters; **Internet** Security

12/3,K/3 (Item 3 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00114585 DOCUMENT TYPE: Review

PRODUCT NAMES: Computer Security (830071); Privacy (838136)

TITLE: For your Eyes Only: Seven ways to protect your private information...

AUTHOR: Ashton, Alison
SOURCE: Home Office Computing, v17 n3 p44(2) Mar 1999
ISSN: 0899-7373
HOMEPAGE: <http://www.smalloffice.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010331

There are **many** **steps** to take and applications to use for **Internet** and cell phone users to protect personal information. Many portable cell phones now come bundled...

...scripts that keep unwanted people from eavesdropping on cell calls. The constantly-growing threat of **software** viruses can be effectively battled using a number of virus-protection **software** packages. Users wanting to remove cookies from their hard drives can either tell their Web...

...protect sensitive e-mail transmissions. Many sophisticated password-management tools are very easy-to-use. **Online** shoppers can also **find** **Internet** -savvy credit cards that are completely protected against **online** **fraud**.

DESCRIPTORS: Computer Security; Security; Credit Cards; **Internet** Marketing; Telecommunications; Encryption; E-Mail; Privacy; **Internet** Security

A 12/3,K/4 (Item 4 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00109223 DOCUMENT TYPE: Review

PRODUCT NAMES: CyberAngel EXR Windows 95 & NT Beta (703508)

TITLE: Protect Data and Your PC with CyberAngel EXR

AUTHOR: Harvey, David A
SOURCE: Windows Sources, v6 n6 p64(1) Jun 1998

ISSN: 1065-9641
HOMEPAGE: <http://www.winsources.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: B

REVISION DATE: 20000830

Computer Sentry's CyberAngel EXR for Windows 95/NT from Computer Sentry **Software** is a powerful program and service for security and encryption applications. It reports any unauthorized...

...which files are to be encrypted is extremely simple using a standard Windows-style file **hierarchy** to pick a file and choose one of three different encryption algorithms. For only \$60 per year, users can have Computer Sentry **Software monitor** PC systems for breakins and **theft** via modems and user-defined passwords. If intruders attempt to enter the system, CyberAngel EXR...

COMPANY NAME: Computer Sentry **Software** Inc...

12/3,K/5 (Item 5 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00107703 DOCUMENT TYPE: Review

PRODUCT NAMES: iNet Solo 1.0 Windows 95 & NT (699811)

TITLE: **One-Stop Site Building**
AUTHOR: Yakal, Kathy
SOURCE: Computer Shopper, v18 n2 p627(1) Feb 1998
ISSN: 0886-0556
HOMEPAGE: <http://www.computershopper.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

REVISION DATE: 20000830

Pictorius' iNet Solo 1.0, an economically-priced system for creation and displaying of **Web pages**, uses a linked server/**Web site** approach that has some benefits. The program uses its own predesigned agents for such Web...

...security down to the page level protects against unwanted changes in the site, and keeps **unauthorized viewers** away from sensitive data. To build a site using iNet Solo, the user begins by creating new pages in a **hierarchical** window, where each page is shown as an icon. The first page is a parent...

...requires more manual work to deploy. Users can create good looking pages, but some standard **Web page** features are not supported, including standard horizontal lines or frames and often-used Hypertext Markup...

DESCRIPTORS: Electronic Publishing; Authoring Systems; **Internet**
Utilities; IBM PC & Compatibles; Windows NT/2000; Windows; **Web Site**
Design

12/3,K/6 (Item 6 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00106090 DOCUMENT TYPE: Review

PRODUCT NAMES: Houdini 3.0 SGI (592111)

TITLE: A New Paradigm: Side Effects Software's Houdini 2.0

AUTHOR: Smith, Mark

SOURCE: AV Video & Multimedia Producer, v19 n12 p72(3) Dec 1997

ISSN: 1090-7459

HOME PAGE: http://www.avvideo.com

RECORD TYPE: Review

REVIEW TYPE: Review

GRADE: A

REVISION DATE: 19980430

TITLE: A New Paradigm: Side Effects Software's Houdini 2.0

Side Effects Software's Houdini 3.0 is different from other procedural model and animation programs is that...

...tasks. These operators can trade information with each other. The operators are used in a **hierarchical** tree. As a result, when a change is made to one operator, the effects **trickle** down the tree to any dependent operators. The changes to all the operators involved take place instantly, so users can **view** the complete effects of a change to an operator in real time. This transformation may...

...steps after the altered event are automatically changed. 'Networks' is the term that Side Effects Software uses for the connected series of operator tiles that create causes and effects. The **software** has a very well-organized interface. All the editors share an interface function set that...

COMPANY NAME: Side Effects Software Inc (SESI...)

12/3,K/7 (Item 7 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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A 00104694 DOCUMENT TYPE: Review

PRODUCT NAMES: Kane Security Analyst (568678); SAFEsuite (645605); NetProbe (602868); SecurIT Audit (665673); bv-Control (626902)

TITLE: Scanning for Network Security Holes

AUTHOR: Sullivan, Kristina B

SOURCE: PC Week, v14 n43 p113(4) Oct 13, 1997

ISSN: 0740-1604

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

REVISION DATE: 20001116

Intrusion Detection's Kane Security Analyst, **Internet** Security Systems' Safesuite, Qualix Group's NetProbe, Milkyway Networks' SecurIT Audit, and BindView Development's...

...who turns on the computer. Network security auditing tools, such as the ones mentioned, can **find** these situations, including **unauthorized** configurations and obvious passwords. Some tools also allow users to set their own security scans and can evaluate remote machines and create **multiple** report levels. Safesuite provides **Internet** Scanner, a Windows NT-based network security evaluation utility that assesses networks using a database...

...COMPANY NAME: 4323; Internet Security Systems I...
DESCRIPTORS: Computer Security; Network Administration Tools; System
Monitoring; Network Software ; Audit

12/3,K/8 (Item 8 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00102677 DOCUMENT TYPE: Review

A PRODUCT NAMES: ACL - Audit Command Language Windows (296741); IDEA 1.2
Windows (234699); Monarch 3.0 (300179); Microsoft Excel (018160)

TITLE: Make Audits Effective and Efficient
AUTHOR: Levi, Philip C, CMC, CFE, FCA
SOURCE: Accounting Technology, v13 n3 p45(7) Apr 1997
ISSN: 1068-6452
HOMEPAGE: <http://www.electronicaccountant.com>

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

REVISION DATE: 20000630

ACL Software 's ACL - Audit Command Language for Windows, American
Institute of CPAs' (AICPA's) IDEA 1...

...lower costs, as well as for more responsibility on the part of the
auditor to find fraud and other illegal practices. ACL for Windows
allows analysis, interrogation, and reporting of data from just about any
platform, and provides various views without modifying basic data. Agings
are done by multiple user-configured intervals, and handy, robust batch
file and batch recorder functions allow automation of recurring procedures.
Multiple level sorting is provided, and the software finds gaps in
sequences. IDEA for Windows is a robust, easy-to-use, productive tool...

...do, and aberrations can be more easily found. Users can test-add
columns, and the software streamlines report perusal. Excel provides
conversion wizards and advanced data sorting and filtering, with robust...

12/3,K/9 (Item 9 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00096845 DOCUMENT TYPE: Review

PRODUCT NAMES: UNIX (699675)

TITLE: Thwarting 'Net Attackers
AUTHOR: Fontana, John
SOURCE: Communications Week, v631 p1(2) Sep 30, 1996
ISSN: 0746-8121

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

REVISION DATE: 20010222

...and routing vendors are working fast to secure systems against a
security breach that leaves Internet service providers (ISPs) open to
hacker attacks that could bring down the networks. Competing UNIX...

...on the incoming requests that a server can process before locking out

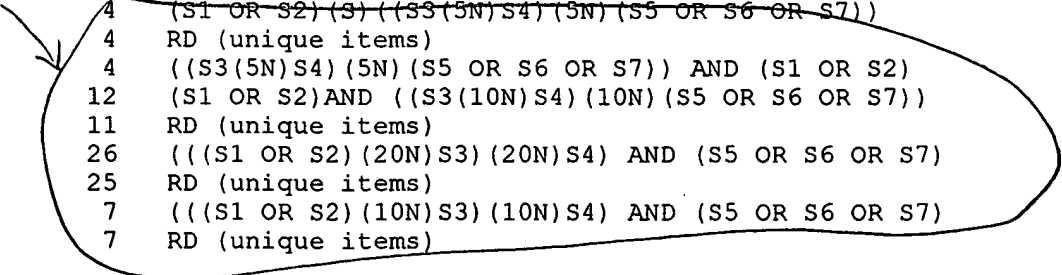
other requests. Another **measure** involves UNIX systems' **dropping** of requests deemed to be possibly **false**, while processing authentic incoming connections. To fix the TCP/IP protocol-based security glitch, UNIX...

...Syn packets, the foundational units of a TCP/IP connection. About 15 other attacks of **various levels** of seriousness were reported to the Computer Emergency Response Team (CERT). A developer says the...

File 77:Conference Papers Index 1973-2001/Jul
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File 35:Dissertation Abs Online 1861-2001/Jul
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File 583:Gale Group Globalbase(TM) 1986-2001/Jul 24
(c) 2001 The Gale Group
File 65:Inside Conferences 1993-2001/Jul W4
(c) 2001 BLDSC all rts. reserv.
File 2:INSPEC 1969-2001/Jul W4
(c) 2001 Institution of Electrical Engineers
File 233:Internet & Personal Comp. Abs. 1981-2001/Jul
(c) 2001 Info. Today Inc.
File 99:Wilson Appl. Sci & Tech Abs 1983-2001/Jun
(c) 2001 The HW Wilson Co.
File 473:FINANCIAL TIMES ABSTRACTS 1998-2001/APR 02
(c) 2001 THE NEW YORK TIMES
File 474:New York Times Abs 1969-2001/Jul 23
(c) 2001 The New York Times
File 475:Wall Street Journal Abs 1973-2001/Jul 24
(c) 2001 The New York Times
File 18:Gale Group F&S Index(R) 1988-2001/Jul 23
(c) 2001 The Gale Group

Set	Items	Description
S1	143712	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	99311	HIERARCH? OR PLURAL?
S3	234668	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	6133645	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	1110542	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR -NETWORK?))
S6	499202	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	13968	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANS-MI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURON-ET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEURO-COMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	4	((S1 OR S2) (S) ((S3(5N)S4) (5N) (S5 OR S6 OR S7))
S9	4	RD (unique items)
S10	4	((S3(5N)S4) (5N) (S5 OR S6 OR S7)) AND (S1 OR S2)
S11	12	(S1 OR S2)AND ((S3(10N)S4) (10N) (S5 OR S6 OR S7))
S12	11	RD (unique items)
S13	26	((S1 OR S2) (20N)S3) (20N)S4) AND (S5 OR S6 OR S7)
S14	25	RD (unique items)
S15	7	((S1 OR S2) (10N)S3) (10N)S4) AND (S5 OR S6 OR S7)
S16	7	RD (unique items)

reviewed



16/3,K/1 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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858933 ORDER NO: AAD84-22291

VERIFICATION OF HIERARCHICALLY STRUCTURED VLSI SYSTEMS (DESIGN RULE CHECKING, NODE EXTRACTION, LAYOUT)

Author: MODARRES, HOSSEIN

Degree: PH.D.

Year: 1984

Corporate Source/Institution: THE UNIVERSITY OF MICHIGAN (0127)

Source: VOLUME 45/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2263. 179 PAGES

The development of a theoretical basis for a technology-independent, false-error free, hierarchical design rule checker and a node-extractor for digital MOS VLSI circuit layouts is investigated. These verification tools are successfully implemented in software.

A flat (non-hierarchical) model of the layout of a VLSI circuit using set theory...

...the behavior of the circuit.

The flat and the hierarchical models and all the supporting software are implemented in the C language and run under the UNIX operating system.

A study...

16/3,K/2 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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6969625 INSPEC Abstract Number: A2001-15-8760J-023, B2001-08-7510P-036, C2001-08-7330-211

Title: An SVM classifier to separate false signals from microcalcifications in digital mammograms

Author(s): Bazzani, A.; Bevilacqua, A.; Bollini, D.; Brancaccio, R.; Campanini, R.; Lanconelli, N.; Riccardi, A.; Romani, D.

Author Affiliation: Dipartimento di Fisica, Bologna Univ., Italy

Journal: Physics in Medicine and Biology vol.46, no.6 p.1651-63

Publisher: IOP Publishing,

Publication Date: June 2001 Country of Publication: UK

CODEN: PHMBA7 ISSN: 0031-9155

SICI: 0031-9155(200106)46:6L:1651:CSFS;1-X

Material Identity Number: P117-2001-006

U.S. Copyright Clearance Center Code: 0031-9155/2001/061651+13\$30.00

Language: English

Subfile: A B C

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...Abstract: system for the detection of clustered microcalcifications in digital mammograms. SVM is a technique for pattern recognition which relies on the statistical learning theory. It minimizes a function of two terms: the...

... misclassified vectors of the training set and a term regarding the generalization classifier capability. We compare the SVM classifier with an MLP (multi-layer perceptron) in the false-positive reduction phase of our detection scheme: a detected signal is considered either microcalcification or...

...Identifiers: pattern recognition ; ...

...multi-layer perceptron ;

16/3,K/3 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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6599151 INSPEC Abstract Number: C2000-07-6110J-001

Title: State patterns and C++

Author(s): Macri, J.

Journal: Dr. Dobbs's Journal vol.25, no.6 p.36, 38, 40, 42, 44-5

Publisher: Miller Freeman,

Publication Date: June 2000 Country of Publication: USA

CODEN: DDJSDM ISSN: 1044-789X

SICI: 1044-789X(200006)25:6L:36:SP;1-V

Material Identity Number: B719-2000-005

Language: English

Subfile: C

Copyright 2000, IEE

...Abstract: checker implementation, where all behavior is kept in the context class, but the state class **hierarchy** offers a set of **checker** methods that respond true or **false** based on the current state. Based on these **checker** methods, the context object performs the appropriate action. To illustrate how you can use these...

...Descriptors: **software** reusability

16/3,K/4 (Item 3 from file: 2)

DIALOG(R)File 2:INSPEC

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5790100 INSPEC Abstract Number: C9802-0230B-013

Title: The regulation of pornography and child pornography on the Internet

Author(s): Akdeniz, Y.

Author Affiliation: Centre for Criminal Justice Studies, Leeds Univ., UK

URL: http://elj.warwick.ac.uk/jilt/internet/97_lakdz/default.htm

Journal: JILT-Journal of Information Law & Technology no.1

Publication URL: <http://elj.warwick.ac.uk/jilt>

Publisher: Univ. Warwick; Strathclyde Univ,

Publication Date: 28 Feb. 1997 Country of Publication: UK

ISSN: 1361-4169

Material Identity Number: G354-97004

Language: English

Subfile: C

Copyright 1998, IEE

Title: The regulation of pornography and child pornography on the Internet

Abstract: Pornography has been the most controversial topic arising from the use of the **Internet** in recent years. Its availability on the **Internet** has caused fear and a 'moral panic' among the government, law enforcement bodies such as...

... There is no settled definition of pornography in a multi-national environment such as the **Internet** and cultural, moral and legal variations all around the world make it difficult to define...

... content' in a global society. This article discusses two different issues within one context, the **Internet** : the regulation of harmful content such as pornography and regulation of illegal content such as...

... such as children, should not take the form of an unconditional prohibition of using the **Internet** to distribute certain content that is freely available to adults in other media. The production...

... is illegal in the UK and in many other countries. This also applies to the **Internet** . This article discusses these issues and **examines** the current initiatives to regulate the availability of **illegal** and harmful content on the **Internet** . The article proposes a **multi-layered** solution for the regulation of pornographic content on the **Internet** .

This may involve the **online** users, **Internet** Service Providers, codes of practice, self-regulatory bodies, technical solutions, the Government, and the European...

...Descriptors: **Internet** ;
Identifiers: **Internet** ; ...

...online users...

...**Internet** Service Providers

16/3,K/5 (Item 4 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

4764854 INSPEC Abstract Number: B9410-1265F-109, C9410-5135-063
Title: A hierarchical parallel processor for digital signal processing applications
Author(s): Wilmarth, D.D.
Author Affiliation: Sky Comput. Inc., Chelmsford, MA, USA
Part vol.2 p.1114-21 vol.2
Publisher: DSP Associates, Newton, MA, USA
Publication Date: 1993 Country of Publication: USA 2 vol. 1675 pp.
Conference Title: Proceedings of the Fourth International Conference on Signal Processing Applications and Technology. ICSPAT '93
Conference Date: 28 Sept.-1 Oct. 1993 Conference Location: Santa Clara, CA, USA
Language: English
Subfile: B C

...Abstract: SKY Computer's products. The use of parallel computer clusters as the building block of **hierarchical** parallel processors is specifically **examined**. The SKYbolt **Shamrock** implements a byte-slice crossbar, barrier synchronization registers and a combined shared/global memory system between its four processors. The SKYvec **software** toolkit automatically parallelizes code across all four processors on the daughtercard. This allows the user...

...Descriptors: **software** tools
...Identifiers: SKYvec **software** toolkit...

16/3,K/6 (Item 5 from file: 2)
DIALOG(R) File 2:INSPEC
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4588633 INSPEC Abstract Number: B9403-6140C-124, C9403-1250-103
Title: Ranging through Gabor logons-a consistent, hierarchical approach
Author(s): Chienchung Chang; Chatterjee, S.
Author Affiliation: Qualcomm Inc., San Diego, CA, USA
Journal: IEEE Transactions on Neural Networks vol.4, no.5 p.827-43
Publication Date: Sept. 1993 Country of Publication: USA
CODEN: ITNNEP ISSN: 1045-9227
U.S. Copyright Clearance Center Code: 1045-9227/93/\$03.00
Language: English
Subfile: B C

...Abstract: used to obtain the dense stereo disparities. Unlike traditional hierarchical methods for stereo, feature based **hierarchical** processing yields consistent disparities. To avoid **false matchings** due to static occlusion, a dual **matching**, based on the imaging geometry, is used.

...Descriptors: **neural** nets ;

16/3,K/7 (Item 6 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

02409543 INSPEC Abstract Number: B85018429

Title: Hierarchical design rule checking of VLSI systems

Author(s): Modarres, H.; Lomax, R.J.

Author Affiliation: Dept. of Electr. & Comput. Eng., Michigan Univ., Ann Arbor, MI, USA

Conference Title: 1984 IEEE International Symposium on Circuits and Systems. Proceedings (Cat. No. 84CH1993-5) p.994-7 vol.3

Publisher: IEEE, New York, NY, USA

Publication Date: 1984 Country of Publication: USA 3 vol. 1524 pp.

U.S. Copyright Clearance Center Code: CH1993-5/84/0000-0994\$01.00

Conference Sponsor: IEEE; Concordia Univ

Conference Date: 7-10 May 1984 Conference Location: Montreal, Que., Canada

Language: English

Subfile: B

Abstract: Development of the theoretical basis and the **software** implementation of a technology-independent, **false** -error-free, **hierarchical** design rule **checker** for VLSI circuit layouts are described. A flat (nonhierarchical) model of the layout of a...

...Identifiers: **software** implementation

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(c) 2001 Info. Today Inc.
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(c) 2001 The HW Wilson Co.
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(c) 2001 The New York Times
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Set	Items	Description
S1	143712	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	99311	HIERARCH? OR PLURAL?
S3	234668	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	6133645	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	1110542	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR NETWORK?))
S6	499202	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	13968	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANS-MI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURON-ET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEURO-COMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	4	(S1 OR S2) (S) ((S3(5N)S4) (5N) (S5 OR S6 OR S7))
S9	4	RD (unique items)
S10	4	((S3(5N)S4) (5N) (S5 OR S6 OR S7)) AND (S1 OR S2)
S11	12	(S1 OR S2)AND ((S3(10N)S4) (10N) (S5 OR S6 OR S7))
S12	11	RD (unique items)

11/3,K/1 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01455435 ORDER NO: AADAA-I9600331

MODULAR NEURAL NETWORK ARCHITECTURE FOR DETECTION OF OPERATIONAL PROBLEMS ON URBAN ARTERIALS (INTELLIGENT TRANSPORTATION SYSTEMS, SIGNAL TIMING, FREEWAYS)

Author: KHAN, SAROSH ISLAM

Degree: PH.D.

Year: 1995

Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, IRVINE (0030)

Source: VOLUME 56/09-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 5039. 112 PAGES

...types of problems and produced an overall system of models that individually outperformed a single **multi-layer** feed-forward neural network model for lane-blocking incidents, special event conditions and detector malfunction...

...study areas in Anaheim and Los Angeles, California, USA. The higher detection rates and lower **false** alarm rates of the modular **neural network** model compared to other techniques demonstrated its potential of detecting different types of traffic operational problems on...

11/3,K/2 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01236638 ORDER NO: AAD92-24215

FINITE-STATE MACHINE SYNTHESIS FOR CONTINUOUS, CONCURRENT ERROR DETECTION USING SIGNATURE-INVARIANT MONITORING

Author: ROBINSON, SCOTT H.

Degree: PH.D.

Year: 1992

Corporate Source/Institution: CARNEGIE-MELLON UNIVERSITY (0041)

Source: VOLUME 53/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 1993. 277 PAGES

...monitoring, a concurrent form of signature analysis, detects erroneous state sequencing that can occur during **on-line** operation. The **monitor** detects **illegal** sequencing by computing a run-time signature from the evolving state-code **sequence** using a **multi**-input shift (signature) register. At checkpoints, any discrepancy between run-time and reference signatures indicates...

11/3,K/3 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC
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6319871 INSPEC Abstract Number: B1999-09-6135E-126, C1999-09-5260B-336

Title: Adaptive target recognition

Author(s): Bir Bhanu; Yingqiang Lin; Jones, G.; Jing Peng

Author Affiliation: Centre for Res. in Intelligent Syst., California Univ., Riverside, CA, USA

Conference Title: Proceedings IEEE Workshop on Computer Vision Beyond the Visible Spectrum: Methods and Applications (CVBVS'99) p.71-81

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1999 Country of Publication: USA viii+139 pp.

ISBN: 0 7695 0050 1 Material Identity Number: XX-1999-01533

U.S. Copyright Clearance Center Code: 0 7695 0050 1/99/\$10.00

Conference Title: Proceedings of IEEE Workshop on Computer Vision : Beyond the Visible Spectrum - Methods and Applications

Conference Sponsor: Tech. Committee on Pattern Anal. & Machine Intelligence; IEEE Comput. Soc

Conference Date: 21-22 June 1999 Conference Location: Fort Collins, CO, USA

Language: English
Subfile: B C
Copyright 1999, IEE

Abstract: Target recognition is a **multi-level** process requiring a sequence of algorithms at low, intermediate and high levels. Generally, such systems...

... with no feedback between levels and assuring their performance at the given probability of correct **identification** (PCI) and probability of **false** alarm (Pf) is a key challenge in computer vision and **pattern recognition** research. In this paper a robust closed-loop system for recognition of SAR images based...

...Identifiers: **multi-level** process

11/3,K/4 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6251694 INSPEC Abstract Number: C1999-06-5440-019

Title: Reducing system overheads in home-based software DSMs

Author(s): Weiwu Hu; Weisong Shi; Zhimin Tang

Author Affiliation: Inst. of Comput. Technol., Acad. Sinica, Beijing, China

Conference Title: Proceedings 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing. IPPS/SPDP 1999 p.167-73

Publisher: IEEE Comput. Soc, Los Alamitos, CA, USA

Publication Date: 1999 Country of Publication: USA xxiv+7671 pp.

ISBN: 0 7695 0143 5 Material Identity Number: XX-1999-00126

U.S. Copyright Clearance Center Code: 1063-7133/99/\$10.00

Conference Title: Proceedings of 13th International Parallel Processing Symposium and 10th Symposium on Parallel and Distributed Processing

Conference Sponsor: IEEE Comput. Soc. Tech. Committee on Parallel Process.; ACM SIGARCH

Conference Date: 12-16 April 1999 Conference Location: San Juan, Puerto Rico

Language: English

Subfile: C

Copyright 1999, IEE

...Abstract: limit performance. This paper introduces our efforts in reducing system overheads of a home-based **software** DSM called JIAJIA. Three **measures**, including eliminating **false** sharing through avoiding unnecessarily invalidating cached pages, reducing virtual memory page faults with a new write detection scheme, and propagating barrier message in a **hierarchical** way, are taken to reduce the system overhead of JIAJIA. Evaluation with some well-known...

11/3,K/5 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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5790100 INSPEC Abstract Number: C9802-0230B-013

Title: The regulation of pornography and child pornography on the Internet

Author(s): Akdeniz, Y.

Author Affiliation: Centre for Criminal Justice Studies, Leeds Univ., UK

URL: http://elj.warwick.ac.uk/jilt/internet/97_lakdz/default.htm

Journal: JILT-Journal of Information Law & Technology no.1

Publication URL: <http://elj.warwick.ac.uk/jilt>

Publisher: Univ. Warwick; Strathclyde Univ,

Publication Date: 28 Feb. 1997 Country of Publication: UK

ISSN: 1361-4169

Material Identity Number: G354-97004

Language: English

Subfile: C
Copyright 1998, IEE

...Abstract: is illegal in the UK and in many other countries. This also applies to the **Internet**. This article discusses these issues and **examines** the current initiatives to regulate the availability of **illegal** and harmful content on the **Internet**. The article proposes a **multi-layered** solution for the regulation of pornographic content on the Internet. This may involve the online...

11/3,K/6 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC
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5174305 INSPEC Abstract Number: B9603-6140C-310, C9603-1250-113
Title: Classifier and shift-invariant automatic target recognition neural networks
Author(s): Casasent, D.P.; Neiberg, L.M.
Author Affiliation: Dept. of Electr. & Comput. Eng., Carnegie Mellon Univ., Pittsburgh, PA, USA
Journal: Neural Networks vol.8, no.7-8 p.1117-29
Publisher: Elsevier,
Publication Date: 1995 Country of Publication: USA
CODEN: NNETEB ISSN: 0893-6080
SICI: 0893-6080(1995)8:7/8L.1117:CSIA;1-6
Material Identity Number: L963-96001
U.S. Copyright Clearance Center Code: 0893-6080/95/\$9.50+.00
Language: English
Subfile: B C
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Abstract: Automatic target recognition processors typically employ **several stages** of processing, each with a different operational purpose. New shift-invariant filters using morphological and...
...of neural net optimization techniques to design such filters. A new feature space trajectory classifier **neural network** is described that **identifies** the class and pose of each object, rejects clutter **false** alarms, and overcomes various issues associated with other classifier **neural networks**.

11/3,K/7 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC
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4509290 INSPEC Abstract Number: B9312-1265B-029, C9312-5210-012
Title: Direct methods for synthesis of self-monitoring state machines
Author(s): Robinson, S.H.; Shen, J.P.
Author Affiliation: Dept. of Electr. & Comput. Eng., Carnegie Mellon Univ., Pittsburgh, PA, USA
Conference Title: Digest of Papers. The 1992 IEEE Workshop on Fault-Tolerant Parallel and Distributed Systems (Cat. No.92TH0449-9) p. 306-15
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1992 Country of Publication: USA viii+233 pp.
ISBN: 0 8186 2870 7
U.S. Copyright Clearance Center Code: 0 8186 2870 7/92\$03.00
Conference Sponsor: IEEE
Conference Date: 6-7 July 1992 Conference Location: Amherst, MA, USA
Language: English
Subfile: B C

Abstract: Finite-state machine (FSM) signature monitoring detects erroneous state sequencing that can occur during **on-line** operation. The **monitor** detects **illegal** sequencing by computing a run-time signature from the evolving state-code **sequence** with a **multi**-input shift

register. At checkpoints any discrepancy between run-time and reference signatures indicates that.

11/3,K/8 (Item 6 from file: 2)
DIALOG(R) File 2:INSPEC
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03864030 INSPEC Abstract Number: B91028519, C91030703
Title: Automated design for maintainability
Author(s): Reinhart, H.; Pecht, M.
Author Affiliation: CALCE Center for Electron. Packaging, Maryland Univ.,
College Park, MD, USA
Conference Title: Proceedings of the IEEE 1990 National Aerospace and
Electronics Conference. NAECON 1990 (Cat. No.90CH2881-1) p.1227-32 vol.3
Publisher: IEEE, New York, NY, USA
Publication Date: 1990 Country of Publication: USA 3 vol.1378 pp.
U.S. Copyright Clearance Center Code: CH2881-1/90/0000-1227\$01.00
Conference Sponsor: IEEE
Conference Date: 21-25 May 1990 Conference Location: Dayton, OH, USA
Language: English
Subfile: B C

...Abstract: to predict and utilize maintainability system parameters associated with repair times, manpower requirements, availability, and **false** alarm rates, are **examined**. Included is a description of a **software** module which applies the statistical techniques set out in MIL-HDBK-472 Procedure V. The...

...to compile knowledge of maintenance times gained through experience with similar systems already in operation. **Hierarchical** modeling techniques make it possible for maintainability parameters to be calculated for the entire system...

...Descriptors: **hierarchical** systems
Identifiers: **hierarchical** modelling...

...**hierarchical** modelling

11/3,K/9 (Item 7 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

02662142 INSPEC Abstract Number: C86026752
Title: Programming: science or infant?
Author(s): Baber, R.L.
Journal: Informatie vol.28, no.1 p.34-40
Publication Date: Jan. 1986 Country of Publication: Netherlands
CODEN: INFTCR ISSN: 0019-9907
Language: Dutch
Subfile: C

...Abstract: considered to be partly a science, an art form, a craft, a business and a **swindle**. Two vicious circle situations affecting **software** development are **identified**. The problems of **software** engineering and the spectrum of possibilities for the future are seen to range over three ...

... reactionary) and optimistic (radical). Features of importance are the training times required for programmers at **various levels** and the challenges to be met in fulfilling the social responsibilities of programming computers.

A 11/3,K/10 (Item 8 from file: 2)
DIALOG(R) File 2:INSPEC
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02409543 INSPEC Abstract Number: B85018429

Title: Hierarchical design rule checking of VLSI systems

Author(s): Modarres, H.; Lomax, R.J.

Author Affiliation: Dept. of Electr. & Comput. Eng., Michigan Univ., Ann Arbor, MI, USA

Conference Title: 1984 IEEE International Symposium on Circuits and Systems. Proceedings (Cat. No. 84CH1993-5) p.994-7 vol.3

Publisher: IEEE, New York, NY, USA

Publication Date: 1984 Country of Publication: USA 3 vol. 1524 pp.

U.S. Copyright Clearance Center Code: CH1993-5/84/0000-0994\$01.00

Conference Sponsor: IEEE; Concordia Univ

Conference Date: 7-10 May 1984 Conference Location: Montreal, Que., Canada

Language: English

Subfile: B

Title: Hierarchical design rule checking of VLSI systems

Abstract: Development of the theoretical basis and the software implementation of a technology-independent, false-error-free, hierarchical design rule checker for VLSI circuit layouts are described. A flat (nonhierarchical) model of the layout of a...

...some extra cost. Graph theory is used to extend the flat model to define a hierarchical model for the layout of a VLSI circuit.

...Identifiers: hierarchical design rule checker...

...hierarchical model

11/3,K/11 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00360715 94UR09-001

Keeping Internet intruders away -- The latest fad for hackers is sniffers, and the latest countermeasure is firewalls. If you don't know what these terms...

Ellis, James; Fraser, Barbara; Pesante, Linda

UNIX Review, September 1, 1994, v12 n9 p35-44, 6 Page(s)

ISSN: 0742-3136

Examines security against hackers on the Internet. Explains how hackers use "sniffers" which is unauthorized monitoring of network packets. Says that some companies have tried comparing checksums of system binaries against previous known good versions in an effort to detect sniffer...

... good hacker can alter a program to generate the same checksum as previous versions. Suggests several security steps which can be taken against sniffers, including managing system and service configurations, securing passwords, the...

11/3,K/12 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

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1283905 H.W. WILSON RECORD NUMBER: BAST96006078

Classifier and shift-invariant automatic target recognition neural networks

Casasent, David P; Neiberg, Leonard M

Neural Networks v. 8 no7-8 ('95) p. 1117-29

DOCUMENT TYPE: Feature Article ISSN: 0893-6080

ABSTRACT: Automatic target recognition processors typically employ several stages of processing, each with a different operational purpose. New shift-invariant filters using morphological and...

...of neural net optimization techniques to design such filters. A new

feature space trajectory classifier neural network is described that identifies the class and pose of each object, rejects clutter false alarms, and overcomes various issues associated with other classifier neural networks . Reprinted by permission of the publisher.

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 (c) 2001 The Gale Group
 File 47:Gale Group Magazine DB(TM) 1959-2001/Jul 23
 (c) 2001 The Gale group
 File 647:CMP Computer Fulltext 1988-2001/Jul W4
 (c) 2001 CMP
 File 674:Computer News Fulltext 1989-2001/Jul W2
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Set	Items	Description
S1	635580	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	216335	HIERARCH? OR PLURAL?
S3	2896805	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	21440759	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	6088028	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENC-E) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR -NETWORK?))
S6	9753279	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	12162	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANS-MI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURON-ET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEURO-COMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
	241	(S1 OR S2) (10N) (S3 (5N) S4)
	14	S8 (20N) (S5 OR S7)
	10	RD (unique items)

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 S9
 S10

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10/3,K/1 (Item 1 from file: 15)
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00578253 91-52600

Whistle-Blowing at BCCI: Sounds of Silence
Kass, Rochelle
Bank Systems & Technology v28n10 PP: 30-31 Oct 1991
ISSN: 1045-9472 JRNL CODE: BSE
WORD COUNT: 1628

...TEXT: Clifford, is in the hot seat because the bank was secretly owned by BCCI), uses several levels of software and security measures to prevent fraudulent activity. Fundamental is controlling access to data.

"The way that we administer it," said John...

10/3,K/2 (Item 1 from file: 9)
DIALOG(R) File 9:Business & Industry(R)
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01932549 (USE FORMAT 7 OR 9 FOR FULLTEXT)

~~*****~~ FLORIDA SOFTWARE COMPANY CATERS TO CHILDREN

Interactive will introduce the Jubilee's Journey CD-ROM software program that will enable children to explore rain forests and the African plains via their PC)

St Petersburg Times , p N/A
August 26, 1997

DOCUMENT TYPE: Regional Newspaper ISSN: 0898-865X (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1448

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...great, marks from some leading software reviewers. The Children's Software Revue, which ranks kids software on a scale of 1-5, rates each of the series with a 3 or 3.5. Reviewers say the Let's Pretend series, while offering many fun and educational elements, at times suffers from the same weakness found in many kids...

A
10/3,K/3 (Item 1 from file: 810)
DIALOG(R) File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0873335 BW1131

LIGHTBRIDGE: Fast-Growing Telecommunications Reseller Turns to Lightbridge's Telesto for a Competitive Edge

June 29, 1998

Byline: Business/Technology Editors

...apply for additional services on the basis of their payment histories;

- Fraud Detect(tm), a multi faceted fraud detection tool, will help ConexOne identify subscription fraud at the point-of-sale before it happens; and

- CAS(tm) (Customer Acquisition System), a software -based service that includes online, real-time transaction processing will be used by ConexOne for...

10/3,K/4 (Item 2 from file: 810)

DIALOG(R) File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0752407 BW1034

**MICROFRAME: MicroFrame Announces Release of Sentinel 2000S (Slimline)
Remote Network Management Product**

October 01, 1997

Byline: Business Editors

...port and provide central and/or local audit reports. They can also detect PBX toll fraud by monitoring CDR ports for activity that violates pre-defined threshold levels in various call classifications.

The Sentinels are designed to work with the Company's Manager 2000(TM) suite of software applications. Together they increase the ability to remotely monitor and manage networks systems, and to...

10/3,K/5 (Item 1 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01605205 SUPPLIER NUMBER: 14012909 (USE FORMAT 7 OR 9 FOR FULL TEXT)

LAN management tools automate time-consuming tasks. (PC Week Buyers' Guide) (Buy Line) (Buyers Guide)

Crowley, Aileen

PC Week, v10, n26, p89(1)

July 5, 1993

DOCUMENT TYPE: Buyers Guide ISSN: 0740-1604 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 549 LINE COUNT: 00044

Packages ranging from inventory control and metering tools to installation software enable managers to be more responsive to users' needs. The trick is choosing tools that match each network's specific requirements.

"There are several different tiers of products, and they answer different needs," said Tom Henderson, president of Corporate Networks, a...

10/3,K/6 (Item 1 from file: 636)
DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

03911350 Supplier Number: 50116423 (USE FORMAT 7 FOR FULLTEXT)

-LIGHTBRIDGE: Fast-growing telecoms reseller turns to Lightbridge's Telesto for a competitive edge

M2 Presswire, pN/A

June 30, 1998

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 585

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...who apply for additional services on the basis of their payment histories; -- Fraud Detect, a multi-faceted fraud detection tool, will help ConexOne identify subscription fraud at the point-of-sale before it happens; and -- CAS (Customer Acquisition System), a software-based service that includes online, real-time transaction processing will be used by ConexOne for...

10/3,K/7 (Item 1 from file: 813)

DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1328783

DAF022

**Year 2000 Problems Hit Financial Institutions - Insurance, Medicaid and
Worker's Comp Fraud - Computers Cannot Handle it - Study Finds**

DATE: August 21, 1998 13:04 EDT WORD COUNT: 1,112

...the Y2K computer bug, to shield them from being detected.

These fraud pros knew that **neural net** technology and relational databases, used almost universally today by the insurance and Medicaid/Medicare providers, relied on exact **match** searching to find **fraud**. Thus, if criminals modified their **identifiers**, they could take out **multiple** policies, **stage multiple** accidents and continue collecting illegally.

John Valentine, CEO of InfoGlide remarked: "Everyone knows that when ...

10/3,K/8 (Item 2 from file: 813)

DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0749137

PH004

**POWERFUL, LOW-COST SOFTWARE TO ORGANIZE AND CONTROL DRAWINGS AND DOCUMENTS
ANNOUNCED BY KRUSE, INC.**

DATE: October 10, 1994 08:07 EDT WORD COUNT: 458

...work-in-progress procedures of most engineering departments, a non-proprietary database file format, and **multiple** security levels which prevent **unauthorized viewing**, modifications, or deletions.

Pricing for Kruse control **software** is \$99.00. Kruse, Inc. offers a 99-day, risk-free trial period. For more...

10/3,K/9 (Item 1 from file: 20)

DIALOG(R)File 20:World Reporter
(c) 2001 The Dialog Corporation. All rts. reserv.

06710691 (USE FORMAT 7 OR 9 FOR FULLTEXT)

**rackdown launched on illegal software copies among government organizations
KOREA HERALD**

August 16, 1999

JOURNAL CODE: FKHD LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 392

... Hoo-ran Staff reporter The Ministry of Information and Communication (MIC) is today to start **checks** on the use of **illegally** copied **software** in government ministries and other administrative bodies at **various** levels.

The checks on more than 1,110 administrative institutions will be conducted through October with...

10/3,K/10 (Item 1 from file: 635)

DIALOG(R)File 635:Business Dateline(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

0536567 94-91490

**Powerful, low-cost software to organize and control drawings and documents
announced by Kruse, Inc.**

Francis, Carl
PR Newswire (New York, NY, US) s1 p1
PUBL DATE: 941010
WORD COUNT: 427
DATELINE: Downingtown, PA, US

TEXT:

...work-in-progress procedures of most engineering departments, a non-proprietary database file format, and **multiple security levels** which prevent **unauthorized viewing**, modifications, or deletions.

Pricing for Kruse control **software** is \$99.00. Kruse, Inc. offers a 99-day, risk-free trial period. For more...

File 15:ABI/Inform(R) 1985-2001/Jul 23
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File 9:Business & Industry(R) Jul/1994-2001/Jul 23
(c) 2001 Resp. DB Svcs.

File 623:Business Week 1985-2001/Jul W4
(c) 2001 The McGraw-Hill Companies Inc

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 275:Gale Group Computer DB(TM) 1983-2001/Jul 20
(c) 2001 The Gale Group

File 624:McGraw-Hill Publications 1985-2001/Jul 20
(c) 2001 McGraw-Hill Co. Inc

File 636:Gale Group Newsletter DB(TM) 1987-2001/Jul 23
(c) 2001 The Gale Group

File 621:Gale Group New Prod. Annou. (R) 1985-2001/Jul 23
(c) 2001 The Gale Group

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

File 16:Gale Group PROMT(R) 1990-2001/Jul 23
(c) 2001 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2001/Jul 23
(c) 2001 The Gale Group

File 20:World Reporter 1997-2001/Jul 24
(c) 2001 The Dialog Corporation

File 634:San Jose Mercury Jun 1985-2001/Jul 20
(c) 2001 San Jose Mercury News

File 635:Business Dateline(R) 1985-2001/Jul 21
(c) 2001 ProQuest Info&Learning

File 570:Gale Group MARS(R) 1984-2001/Jul 23
(c) 2001 The Gale Group

File 47:Gale Group Magazine DB(TM) 1959-2001/Jul 23
(c) 2001 The Gale group

File 647:CMP Computer Fulltext 1988-2001/Jul W4
(c) 2001 CMP

File 674:Computer News Fulltext 1989-2001/Jul W2
(c) 2001 IDG Communications

Set	Items	Description
S1	635580	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	216335	HIERARCH? OR PLURAL?
S3	2896805	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	21440759	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (- CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	6088028	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENC- E) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR - NETWORK?))
S6	9753279	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	12162	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANSMI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURON- ET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEURO- COMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	241	(S1 OR S2) (10N) (S3 (5N) S4)
S9	14	S8 (20N) (S5 OR S7)
S10	10	RD (unique items)

Scanned →

reviewed

S11 16 S8(S) (S5, S7)
S12 11 RD (unique items)

12/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00578253 91-52600

Whistle-Blowing at BCCI: Sounds of Silence

Kass, Rochelle

Bank Systems & Technology v28n10 PP: 30-31 Oct 1991

ISSN: 1045-9472 JRNL CODE: BSE

WORD COUNT: 1628

...TEXT: Clifford, is in the hot seat because the bank was secretly owned by BCCI), uses several levels of software and security measures to prevent fraudulent activity. Fundamental is controlling access to data.

"The way that we administer it," said John...

12/3,K/2 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2001 Resp. DB Svcs. All rts. reserv.

01932549 (USE FORMAT 7 OR 9 FOR FULLTEXT)

UPSTART FLORIDA SOFTWARE COMPANY CATERS TO CHILDREN

(RMC Interactive will introduce the Jubilee's Journey CD-ROM software program that will enable children to explore rain forests and the African plains via their PC)

St Petersburg Times , p N/A

August 26, 1997

DOCUMENT TYPE: Regional Newspaper ISSN: 0898-865X (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1448

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...SARASOTA, Fla.--Aug. 26--Renowned chimpanzee expert Jane Goodall never heard of a Sarasota kids software company called Ringling Multimedia until last October. That's when Ringling's Cathy Letts, on...

...in TV commercials, operates an international program encouraging children to preserve the environment. Letts produces software that gets young kids more in touch with the natural world. A high-tech idea...
...fall, RMC Interactive (Ringling's new name) will unveil Jubilee's Journey. The CD-ROM software lets kids explore rain forests and the African plains via personal computer with the help...

...on a project. Less clear is the commercial fate awaiting Jubilee's Journey in a software market increasingly dominated by giant corporations. Can Jubilee capture the imagination of children and the attention and wallets of parents? In the ultra-competitive world of education-entertainment or "edutainment" software, it's a jungle out there. Last year, more than 800 children's software products were introduced, and analysts expect another 500 this year. Jubilee's Journey will join more than 2,700 software titles already scrapping for retail shelf space, the seal of approval from reviewers and, most...

...the time and try to compete," says Warren Buckleitner, editor of the independent Children's Software Revue newsletter in Flemington, N.J.
"Some are successful and many are not. "It's...

...Flash the Firefly as the talking host of its "Let's Pretend" series of edutainment software early last year under the Mind Magic Productions label. Four more Let's Pretend volumes...

...s Journey is expected to be the first in a new series. Reviewers of kids software give the Let's Pretend series solid marks. But RMC's software isn't making any hot-seller lists, says the market research firm PC Data.

Sales...

...we started from scratch today, we would not have a prayer." Already, more than 70 **software** developers publish edutainment **software** aimed mostly at children between the ages of 3 and 12. Bigger muscle and money...

...ROMs more interactive, the products often tend to be more commercial. This fall, for example, **software** will appear featuring such kids' icons as Barbie, Hot Wheels, Tonka trucks, Legos and Barney...

...draws on talent from the Ringling School, and sets aggressive prices on its CD-ROM **software**. RMC was one of the first companies to offer kids' interactive **software** for \$19.95, nearly \$10 less than the average price. The company also pushes its **software** through many alternative outlets, ranging from grocery and book stores to mass merchandisers. RMC linked...

...main work area, RMC's people like to sprawl on a large couch while brainstorming **software** ideas. At times, the staff passes pieces of paper around to vote on which concept...Scandinavia and other regions. The series gets good, but not great, marks from some leading **software** reviewers. The Children's **Software** Revue, which ranks kids **software** on a scale of 1-5, rates each of the series with a 3 or 3.5. **Reviewers** say the Let's **Pretend** series, while offering many fun and educational elements, at times suffers from the same weakness found in many kids CD-ROM products: not enough interactivity. Without it, kids are less compelled to use the **software** again and again. Jubilee's Journey, which is aimed at kids age 7 or older...

...and executive at the Ringling School, believes the early and undisciplined days of creating kids **software** are over. "For 10 years, the edutainment business was built on hype. Now we are..."

12/3,K/3 (Item 1 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01605205 SUPPLIER NUMBER: 14012909 (USE FORMAT 7 OR 9 FOR FULL TEXT)
LAN management tools automate time-consuming tasks. (PC Week Buyers' Guide) (Buy Line) (Buyers Guide)
Crowley, Aileen
PC Week, v10, n26, p89(1)
July 5, 1993
DOCUMENT TYPE: Buyers Guide ISSN: 0740-1604 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 549 LINE COUNT: 00044

Packages ranging from inventory control and metering tools to installation **software** enable managers to be more responsive to users' needs. The **trick** is choosing tools that **match** each network's specific requirements.

"There are **several** different **tiers** of products, and they answer different needs," said Tom Henderson, president of Corporate Networks, a...

A 12/3,K/4 (Item 1 from file: 636)
DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

03911350 Supplier Number: 50116423 (USE FORMAT 7 FOR FULLTEXT)
-LIGHTBRIDGE: Fast-growing telecoms reseller turns to Lightbridge's Telesto for a competitive edge
M2 Presswire, pN/A
June 30, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 585

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...who apply for additional services on the basis of their payment histories; -- ~~Fraud Detect, a multi-faceted fraud detection tool,~~ will help ConexOne identify subscription fraud at the point-of-sale before it happens; and -- CAS (Customer Acquisition System), a software-based service that includes online, real-time transaction processing will be used by ConexOne for...

...About Lightbridge Lightbridge, Inc. (NASDAQ:LTBG), based in Burlington, Mass., is a leading provider of software-based services that help global telecommunications carriers quickly acquire customers and retain them over time...

12/3,K/5 (Item 2 from file: 636)

DIALOG(R) File 636:Gale Group Newsletter DB(TM)

(c) 2001 The Gale Group. All rts. reserv.

02305917 Supplier Number: 44475098 (USE FORMAT 7 FOR FULLTEXT)

Data protection registration system from NCC

Computer Audit Update, pN/A

March, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 103

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

The UK National Computer Centre has introduced a PC-based software package, which it says will automate and simplify registration under the Data Protection Act. The...

...of registrations and allow access requests. Requests for reminders of renewals are automatically issued, while multi-level security checks prevent unauthorized access. DPRS is priced at GBP995 including first year maintenance. For more information contact: NCC...

12/3,K/6 (Item 1 from file: 621)

DIALOG(R) File 621:Gale Group New Prod. Annou. (R)

(c) 2001 The Gale Group. All rts. reserv.

01363616 Supplier Number: 46265148 (USE FORMAT 7 FOR FULLTEXT)

IA Corp. Announces New CheckVision Products; New CheckVision Archive

Software Supports Short- and Long-term Check Image Archival With Dynamic, Multi-tiered Migration.

Business Wire, p04010001

April 1, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 903

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...IA Corp., a leading developer of image-based cash management and high-end workflow management software, announced today new CheckVision and RemitVision features to put on-line banking and cash management functions at a customer's fingertips, as well as tackle such important industry issues as check fraud, multi-tiered check archival and system scalability and compatibility.

12/3,K/7 (Item 1 from file: 813)

DIALOG(R) File 813:PR Newswire

(c) 1999 PR Newswire Association Inc. All rts. reserv.

1328783

DAF022

Year 2000 Problems Hit Financial Institutions - Insurance, Medicaid and Worker's Comp Fraud - Computers Cannot Handle it - Study Finds

DATE: August 21, 1998 13:04 EDT WORD COUNT: 1,112

...the Y2K computer bug, to shield them from being detected.

These fraud pros knew that **neural net** technology and relational databases, used almost universally today by the insurance and Medicaid/Medicare providers, relied on exact **match** searching to **find fraud**. Thus, if criminals modified their **identifiers**, they could take out **multiple** policies, **stage multiple** accidents and continue collecting illegally.

John Valentine, CEO of InfoGlide remarked: "Everyone knows that when ...

12/3,K/8 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

11418627 SUPPLIER NUMBER: 55730066 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Software Review: Look for efficiency, security in MICR packages. (printer support software; magnetic ink character recognition) (Software Review) (Review) (Statistical Data Included)
Davis, Tom
Accounting Today, ITEM99256027
Sept 6, 1999
DOCUMENT TYPE: Review Statistical Data Included ISSN: 1044-5714
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3092 LINE COUNT: 00264

... and troubleshooting.

In any check printing environment, security is a critical feature and SecureCheck provides **multi-level** security clearances to insure against **check fraud**. The system provides network security administration and monitors all check printing activity. There are six levels of password administration and security built into the **software**.

The optional Signature Logic module gives the system the intelligence to attach signatures to checks...

12/3,K/9 (Item 1 from file: 20)
DIALOG(R)File 20:World Reporter
(c) 2001 The Dialog Corporation. All rts. reserv.

06710691 (USE FORMAT 7 OR 9 FOR FULLTEXT)
rackdown launched on illegal software copies among government organizations
KOREA HERALD
August 16, 1999
JOURNAL CODE: FKHD LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 392

... Hoo-ran Staff reporter The Ministry of Information and Communication (MIC) is today to start **checks** on the use of **illegally copied software** in government ministries and other administrative bodies at **various levels**.

The checks on more than 1,110 administrative institutions will be conducted through October with...

12/3,K/10 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

0688042 96-45310

IA Corp announces new CheckVision products

Leak, Debra

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 960401

WORD COUNT: 871

DATELINE: San Antonio, TX, US, Southwest

TEXT:

...IA Corp., a leading developer of image-based cash management and high-end workflow management **software**, announced today new CheckVision and RemitVision features to put on-line banking and cash management functions at a customer's fingertips, as well as tackle such important industry issues as **check fraud**, **multi-tiered check** archival and system scalability and compatibility.

With such clients as Merrill Lynch, Fidelity Investments, Federal...

12/3,K/11 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext

(c) 2001 CMP. All rts. reserv.

00611466 CMP ACCESSION NUMBER: EET19881205S0361

Sybase 'mils' server

ELECTRONIC ENGINEERING TIMES, 1988, n 515, 68

PUBLICATION DATE: 881205

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: 515PG68

WORD COUNT: 246

... development allows a single relational database to store data subject to multiple security classifications.

The **software** reportedly exceeds the usual file-level security controls to provide mandatory security at the RDBMS' row level, incorporating up to 16 **hierarchical** classifications and 64 compartment categories. Security auditing and tracing **monitors** system access, and attempts at **unauthorized** use supposedly sets off alarms.

No one else in the business has a secure database...

File 15:ABI/Inform(R) 1971-2001/Jul 23
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File 9:Business & Industry(R) Jul/1994-2001/Jul 23
(c) 2001 Resp. DB Svcs.

File 623:Business Week 1985-2001/Jul W4
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File 810:Business Wire 1986-1999/Feb 28
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File 275:Gale Group Computer DB(TM) 1983-2001/Jul 20
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File 636:Gale Group Newsletter DB(TM) 1987-2001/Jul 23
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File 813:PR Newswire 1987-1999/Apr 30
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File 16:Gale Group PROMT(R) 1990-2001/Jul 23
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File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 148:Gale Group Trade & Industry DB 1976-2001/Jul 23
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File 20:World Reporter 1997-2001/Jul 24
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File 634:San Jose Mercury Jun 1985-2001/Jul 20
(c) 2001 San Jose Mercury News

File 635:Business Dateline(R) 1985-2001/Jul 21
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File 570:Gale Group MARS(R) 1984-2001/Jul 23
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File 47:Gale Group Magazine DB(TM) 1959-2001/Jul 23
(c) 2001 The Gale group

File 647:CMP Computer Fulltext 1988-2001/Jul W4
(c) 2001 CMP

File 674:Computer News Fulltext 1989-2001/Jul W2
(c) 2001 IDG Communications

Set	Items	Description
S1	635580	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	216335	HIERARCH? OR PLURAL?
S3	2896805	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	21440759	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	6088028	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENC-E) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR -NETWORK?))
S6	9753279	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	12162	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANS-MI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURON-ET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEURO-COMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	241	(S1 OR S2) (10N) (S3(5N)S4)
S9	14	S8(20N) (S5 OR S7)
S10	10	RD (unique items)

S11	16	S8(S) (S5 OR 7)
S12	11	RD (unique items)
S13	25	S8(S)S6
S14	12	RD (unique items)
S15	9	S14 NOT (S10 OR S11 OR S12)

15/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01561441 02-12430

Home on the page

Gips, Michael

Security Management v41n12 PP: 14 Dec 1997

ISSN: 0145-9406 JRNL CODE: SEM

WORD COUNT: 320

...TEXT: selections this month include a chapter on CCTV from An Introduction to Physical Security Techniques reviewed in September).

Internet fraud, Pyramic schemes and **fraudulent multi level marketing operations** topped the list of **Internet fraud** reports made to the National Fraud Information Center in 1996, and they were expected to be among the top **online scams in 1997**. Bogus business opportunities also abounded in 1996.

Workplace violence.

Job-related homicides...

15/3,K/2 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
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01696225 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Netstore - a serious business use for the Internet

(NetStore UK plc is the first company in the on-line backup field; uses a patented Data Blocking technology to transmit only the subset of an individual file that has actually changed)

Internet for Business, n 4, p 20

November 1996

DOCUMENT TYPE: Newsletter (United Kingdom)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 1365

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...This infrastructure is, of course, the Internet.

A risky business?

Is security inadequate on the **Internet** for business backup? No, but better to get the issue out in the...

...in the discussion. The NetStore system goes to extraordinary lengths to protect customers' data from **unauthorised viewing**. In addition to a **multi-level** password protection and access control based on the Windows NT C2 security model, all customer...

15/3,K/3 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

03663235 Supplier Number: 47889914 (USE FORMAT 7 FOR FULLTEXT)

Refrigerant Theft on the Rise, Experts Offer Tips

Ozone Depletion Network Online Today, pN/A

August 4, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 183

... based Wagner Production Corporation. "Around schools, offices, and government buildings, the problem exists."

Kestenbaum offered **several steps** to preventing refrigerant **theft**, including **checking** inventory, using lockup, signout procedures, using level indicators and other means to track leak patterns...

...refrigerant if a system is going to be shut down. Contact: Refron, 800-4-REFRON, **website** <http://www.refron.com>

(ACHR NEWS: 7/28)

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15/3,K/4 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod. Annou. (R)
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02686096 Supplier Number: 66164114 (USE FORMAT 7 FOR FULLTEXT)
Rackspace.com Introduces SecureGuard to Ensure New Levels of Security on Linux Servers.

PR Newswire, pNA

April 24, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 623

... Access

SAN ANTONIO, April 24 /PRNewswire/ --

Rackspace.com, a leading provider of Linux-based Advanced **Internet** Hosting services, today announced that it will add the SecureGuard security system to its array of advanced Web hosting services. SecureGuard offers **many levels** of built-in security and **monitoring** enhancements for customers concerned about **unauthorized** access to their server. Customers wanting a higher level of security for credit card operations...

15/3,K/5 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod. Annou. (R)
(c) 2001 The Gale Group. All rts. reserv.

02261082 Supplier Number: 58274666 (USE FORMAT 7 FOR FULLTEXT)

Fraud-Check, Inc. Launches E-Commerce Fraud Utility.

PR Newswire, p3369

Dec 16, 1999

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 374

... protective barrier between the shoplifter and the e-commerce merchant. As a transaction is made **online** -- at the same time the information goes to the credit card company for authorization -- the...

...process of patterning and modeling. By comparing against dozens of factors in the company's **multi-faceted**, marketing neutral negative database, **Fraud-Check** can give the merchant the information needed to assess the risk and take appropriate action...

15/3,K/6 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

10185135 SUPPLIER NUMBER: 20524458 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Frauds, hoaxes, myths, and chain letters: or, what's this doing in my e-mail box?(includes related articles on flaming and Web sites fighting fraud)

Ebbinghouse, Carol

Searcher, v6, n4, p50(6)

April, 1998
ISSN: 1070-4795 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 4808 LINE COUNT: 00370

... links to the National Fraud Information Center, U.S. government resources, telemarketing and charity inquiries, **online** investment schemes, pyramid selling, and **multi-level** marketing schemes, etc.

National Fraud Information Center <http://www.fraud.org/>

Check out securities **fraud** schemes with links to where to report suspected fraud: <http://sec.gov/consumer/cyberfr.htm...>

15/3,K/7 (Item 1 from file: 20)
DIALOG(R)File 20:World Reporter
(c) 2001 The Dialog Corporation. All rts. reserv.

08750866 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Fraud-Check Launches E-Commerce Fraud Service
comparing against dozens of factors in the company's
NEWSBYTES

December 16, 1999

JOURNAL CODE: FNEW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 421

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... same time the information goes to the credit card company for authorization - the transaction is **checked** against **Fraud-Check's** proprietary process of patterning and modeling. **multi-faceted**, marketing-neutral negative database, **Fraud-Check** said it can give the merchant the information needed to assess the risk and take...

15/3,K/8 (Item 1 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2001 ProQuest Info&Learning. All rts. reserv.

0851891 98-12247

Snared by The Web? * Even the cyber-savvy will need patience to snag Internet success**

Mcclain, Randy
Advocate-Baton Rouge (Baton Rouge, LA, US) pl.E
PUBL DATE: 970920
WORD COUNT: 1,087
DATELINE: New Orleans, LA, US, Southwest

TEXT:

...to win," Brewster said. "You're competing against every single Web page out there."

One **trick** to help search engines **find** your site, Ershler said, is to include the singular and **plural** versions of key words in a **Web page's** metatag.

"You've got to use variations of words because you never know how..."

15/3,K/9 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2001 The Gale group. All rts. reserv.

05162368 SUPPLIER NUMBER: 20770480 (USE FORMAT 7 OR 9 FOR FULL TEXT)
But can you get it wholesale? A survey of Internet auction sites finds that some aren't such a deal.

Henry, Ed
Kiplinger's Personal Finance Magazine, v52, n7, p115(3)

July, 1998

ISSN: 1056-697X

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 1718

LINE COUNT: 00133

... has been upgraded to perform better. Conclusion: It is possible to get good values, but **steals** are hard to **find** .

* Z Auction (www.zauction.com) is **several steps** down from Onsale in terms of the quantity of merchandise offered. As with Onsale, once...

File 77:Conference Papers Index 1973-2001/Jul
 (c) 2001 Cambridge Sci Abs
 File 35:Dissertation Abs Online 1861-2001/Jul
 (c) 2001 ProQuest Info&Learning
 File 583:Gale Group Globalbase(TM) 1986-2001/Jul 21
 (c) 2001 The Gale Group
 File 65:Inside Conferences 1993-2001/Jul W4
 (c) 2001 BLDSC all rts. reserv.
 File 2:INSPEC 1969-2001/Jul W4
 (c) 2001 Institution of Electrical Engineers
 File 233:Internet & Personal Comp. Abs. 1981-2001/Jul
 (c) 2001 Info. Today Inc.
 File 99:Wilson Appl. Sci & Tech Abs 1983-2001/Jun
 (c) 2001 The HW Wilson Co.
 File 18:Gale Group F&S Index(R) 1988-2001/Jul 20
 (c) 2001 The Gale Group

Set	Items	Description
S1	141503	(MULTI? OR NUMEROUS? OR MANY OR MANIFOLD OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	123309	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? OR TRICK? OR CHEAT? OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S3	5326407	COMPAR? OR CHECK? OR LIKEN? OR ANALOGI? OR ANALOGY? OR PARALLEL OR MATCH? OR EXAMIN? OR VIEW? OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (CROSS() (CHECK? OR REFERENCE?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW?
S4	3	(S1(2N)S3) (5N)S2
S5	7	(S1(2N)S3) (S) ((ELECTRONIC? OR CYBER OR ONLINE OR INTERNET) - (2N) (COMMERC? OR SHOPP? OR RETAIL? OR MERCHANDIS? OR MARKETING? OR TRANSACT?) OR E(2W)COMMERC?)
S6	53	(S2(5N)S3) (S) ((ELECTRONIC? OR CYBER OR ONLINE OR INTERNET) - (2N) (COMMERC? OR SHOPP? OR RETAIL? OR MERCHANDIS? OR MARKETING? OR TRANSACT?) OR E(2W)COMMERC?)
S7	133	(MULTI? OR NUMEROUS? OR MANY OR MANIFOLD OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (3N) (S2(5N)S3)
S8	0	S7 (S) ((ELECTRONIC? OR CYBER OR ONLINE OR INTERNET) (2N) (COMMERC? OR SHOPP? OR RETAIL? OR MERCHANDIS? OR MARKETING? OR TRANSACT?) OR E(2W)COMMERC?)
S9	48	(MULTI? OR NUMEROUS? OR MANY OR MANIFOLD OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (3N) (S2(2N)S3)
S10	16	(S2(2N)S3) (20N) ((ELECTRONIC? OR CYBER OR ONLINE OR INTERNET) (2N) (COMMERC? OR SHOPP? OR RETAIL? OR MERCHANDIS? OR MARKETING? OR TRANSACT?) OR E(2W)COMMERC?)
S11	15	RD (unique items)
S12	120	(LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN OR SEQUENC? OR RANK? OR SERIES? OR RANGE?) (5N) (S2(2N)S3)
S13	0	S12 (S) ((ELECTRONIC? OR CYBER OR ONLINE OR INTERNET) (2N) (COMMERC? OR SHOPP? OR RETAIL? OR MERCHANDIS? OR MARKETING? OR TRANSACT?) OR E(2W)COMMERC?)
S14	0	S12 AND ((ELECTRONIC? OR CYBER OR ONLINE OR INTERNET) (2N) (COMMERC? OR SHOPP? OR RETAIL? OR MERCHANDIS? OR MARKETING? OR TRANSACT?) OR E(2W)COMMERC?)
S15	65	(LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN OR SEQUENC? OR RANK? OR SERIES? OR RANGE?) (2N) (S2(2N)S3)
S16	9	S12 AND ((CREDIT()CARD?) OR VIRTUAL? OR DIGITAL? OR DIGICASH? (E(2W)TAIL?) OR (E(2W)MALL))
S17	9	RD (unique items)

scanned →

17/3,K/1 (Item 1 from file: 35)
DIALOG(R) File 35:Dissertation Abs Online
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01661388 ORDER NO: AADNQ-29957

**VIRTUALITY AND REALITY OF A NEAR-OPTIMAL TIME-DELAYED TELEOPERATOR
CONTROL SYSTEM BASED ON TELEPROGRAMMING PARADIGM**

Author: HAULE, DAMIAN DANIEL

Degree: PH.D.

Year: 1997

Corporate Source/Institution: MCGILL UNIVERSITY (CANADA) (0781)

Source: VOLUME 59/08-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4327. 203 PAGES

ISBN: 0-612-29957-0

**VIRTUALITY AND REALITY OF A NEAR-OPTIMAL TIME-DELAYED TELEOPERATOR
CONTROL SYSTEM BASED ON TELEPROGRAMMING PARADIGM**

...effects of communication delays in the order of seconds can be reduced by building a **virtual** reality simulated model of the remote site with which the operator can interact to receive...

...or hazardous environments. In addition, training the operators is time-consuming and costly. A simulated **virtual** reality based system will provide a means by which operators can be trained to operate...
...cost-effective way. Operator interaction with the remote system is at a high, task-oriented, **level**. Real-time state **monitoring** can prevent **illegal** robot actions and provides interactive feedback. A teleprogramming based simulator is essential for cost-effective Teleoperator Interface & Training (TIT) using supervisory control approach. An intelligent **virtual** interface is required which provides a rich means of presenting diagnostic and visual state information...

17/3,K/2 (Item 1 from file: 583)
DIALOG(R) File 583:Gale Group Globalbase(TM)
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01612255

BANKS TO LAUNCH ATTACK ON ~~CREDIT CARD FRAUD~~
FRANCE - BANKS TO LAUNCH ATTACK ON ~~CREDIT CARD FRAUD~~
Echos (LE) 16 December 1987 p27
ISSN: 0153-4831
Language: French

BANKS TO LAUNCH ATTACK ON ~~CREDIT CARD FRAUD~~
FRANCE - BANKS TO LAUNCH ATTACK ON ~~CREDIT CARD FRAUD~~

An extended article looks at the plans of French banks to adopt a **series** of measures against **credit card fraud**. Proposed **measures** include introducing a hologram on all national cards, and introducing a seven figure code. The estimated 1987 loss due to **credit card fraud** is FF400m.

PRODUCT: **Credit Card Services**

17/3,K/3 (Item 1 from file: 2)
DIALOG(R) File 2:INSPEC
(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6698306 INSPEC Abstract Number: B2000-10-7950-044

Title: Tracking in the presence of range deception ECM and clutter by decomposition and fusion

Author(s): Li, X.R.; Slocumb, B.; West, P.

Author Affiliation: Dept. of Electr. Eng., New Orleans Univ., LA, USA

Journal: Proceedings of the SPIE - The International Society for Optical

Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA)
vol.3809 p.198-210

Publisher: SPIE-Int. Soc. Opt. Eng.,

Publication Date: 1999 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1999)3809L:198:TPRD;1-L

Material Identity Number: C574-2000-009

U.S. Copyright Clearance Center Code: 0277-786X/99/\$10.00

Conference Title: Signal and Data Processing of Small Targets 1999

Conference Sponsor: SPIE

Conference Date: 20-22 July 1999 Conference Location: Denver, CO, USA

Language: English

Subfile: B

Copyright 2000, IEE

...Abstract: and range false target ECM techniques for a radar system where the deception measurements have **virtually** the same angles as the target measurement. This DF approach has four fundamental components: (a) decomposing the validated measurements by determination of **range deception measurements** using hypothesis testing; (b) running one or more tracking filters using the detected **range deception measurements** only; (c) running a conventional tracking-in-clutter filter using the remaining measurements; (d) fusing...

17/3,K/4 (Item 2 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6201910 INSPEC Abstract Number: C1999-05-7420-009

Title: **Underwater vehicle synthetic environment demonstration: an overview**

Author(s): Morrison, J.

Author Affiliation: Winfrith Technol. Centre, Defence Eval. & Res. Agency, Dorchester, UK

Conference Title: IEEE Oceanic Engineering Society. OCEANS'98. Conference Proceedings (Cat. No.98CH36259) Part vol.3 p.1387-91 vol.3

Publisher: IEEE, New York, NY, USA

Publication Date: 1998 Country of Publication: USA 3 vol. xxxi+1853 pp.

ISBN: 0 7803 5045 6 Material Identity Number: XX-1998-02845

U.S. Copyright Clearance Center Code: 0 7803 5045 6/98/\$10.00

Conference Title: IEEE Oceanic Engineering Society. OCEANS'98. Conference Proceedings

Conference Date: 28 Sept.-1 Oct. 1998 Conference Location: Nice, France

Language: English

Subfile: C

Copyright 1999, IEE

...Abstract: simulations to be integrated, visualised, manipulated and interacted with in near real time in a **virtual** world. This capability enables underwater system designs and concepts to be comprehensively prototyped, tested, verified and validated in a **virtual** world before manufacture. These benefits have the potential to reduce overall risks and costs. DERA...

... simulations. This data was combined using the distributed interactive simulation (DIS) protocol to link entity **level** simulations. A **stealth viewer** was used to visualise interaction of 3D entity models. The paper discusses the work conducted...

...Identifiers: **virtual** world

17/3,K/5 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

6190515 INSPEC Abstract Number: B1999-04-6320-016

Title: A method for digital moving target track based on waveform analysis

Author(s): Gao Mieguo; Zhou Dongyou; Mao Erke
Author Affiliation: Beijing Inst. of Technol., China
Journal: Acta Electronica Sinica vol.26, no.12 p.112-14
Publisher: Chinese Inst. Electron,
Publication Date: Dec. 1998 Country of Publication: China
CODEN: TTHPAG ISSN: 0372-2112
SICI: 0372-2112(199812)26:12L:112:MDMT;1-N
Material Identity Number: B902-1999-003
Language: Chinese
Subfile: B
Copyright 1999, IEE

Title: A method for digital moving target track based on waveform analysis

Abstract: A new method for the **digital** moving target track based on waveform analysis has been presented. It determines range error by...

... accuracy and is easier for the waveform analysis tracking system to discriminate and to eliminate **deception** interface **compared** to the traditional split-gate **range** tracker system.

Identifiers: **digital** moving target tracking...

17/3,K/6 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

5540898 INSPEC Abstract Number: B9705-7970-004, C9705-7410-014

Title: Target tracking in the presence of ECM: a filter design tool

Author(s): Rago, C.; Mahra, R.K.
Author Affiliation: Scientific Syst. Co. Inc., Woburn, WA, USA
Conference Title: Proceedings of the Twenty-Ninth Southeastern Symposium on System Theory (Cat. No.97TB100097) p.514-18
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA
Publication Date: 1997 Country of Publication: USA xix+554 pp.
ISBN: 0 8186 7873 9 Material Identity Number: XX97-00692
U.S. Copyright Clearance Center Code: 0 8186 7873 9/97/\$10.00
Conference Title: Proceedings The Twenty-Ninth Southeastern Symposium on System Theory
Conference Sponsor: Tennessee Technol. Univ. Dept. Electr. & Comput. Eng. ; IEEE Comput. Soc.; IEEE Control Syst. Soc.; Center for Manuf. Res., Tennessee Technol. Univ.; Center for Electr. Power, Tennessee Technol. Univ
Conference Date: 9-11 March 1997 Conference Location: Cookeville, TN, USA

Language: English

Subfile: B C

Copyright 1997, IEE

...Abstract: and evaluate tracking filters to track highly manoeuvring targets in the presence of electronic counter **measures** (ECM) and **false** alarms using a monopulse **phase** array radar (MPAR). The goal is to keep track of the target 95% of the...

...Descriptors: **digital** filters

17/3,K/7 (Item 5 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2001 Institution of Electrical Engineers. All rts. reserv.

4818020 INSPEC Abstract Number: C9412-7810C-037

Title: An interactive virtual reality simulation system for robot control and operator training

Author(s): Miner, N.E.; Stansfield, S.A.
Author Affiliation: Sandia Nat. Labs., Albuquerque, NM, USA
Part vol.2 p.1428-35 vol.2
Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1994 Country of Publication: USA Vol. xli+3589 pp.

ISBN: 0 8186 5330 2

U.S. Copyright Clearance Center Code: 1050-4729/94/\$03.00

Conference Title: Proceedings of the 1994 IEEE International Conference on Robotics and Automation

Conference Sponsor: IEEE Robotics Autom. Soc

Conference Date: 8-13 May 1994 Conference Location: San Diego, CA, USA

Language: English

Subfile: C

Title: An interactive virtual reality simulation system for robot control and operator training

...Abstract: operators of these complex robotic systems is time-consuming and costly. In this paper a **virtual** reality based robotic control system is presented. The **virtual** reality system provides a means by which operators can operate, and be trained to operate...

...cost-effective way. Operator interaction with the robotic system is at a high, task-oriented, **level**. Continuous state **monitoring** prevents **illegal** robot actions and provides interactive feedback to the operator and real-time training for novice...

...Descriptors: **virtual** reality

Identifiers: interactive **virtual** reality simulation system...

17/3,K/8 (Item 1 from file: 18)

DIALOG(R)File 18:Gale Group F&S Index(R)

(c) 2001 The Gale Group. All rts. reserv.

04160109 Supplier Number: 63667952

AMEX TAKES STEPS AGAINST CONVENIENCE CHECK FRAUD. (Brief Article)

CardFAX, v2000, n125, p2

June 29, 2000

Language: English Record Type: Citation

Article Type: Brief Article

Document Type: Newsletter; Trade

AMEX TAKES STEPS AGAINST CONVENIENCE CHECK FRAUD. (Brief Article)

PRODUCT NAMES: 6141000 (Nonbank **Credit Card** Firms)

NAICS CODES: 52221 (**Credit Card** Issuing)

17/3,K/9 (Item 2 from file: 18)

DIALOG(R)File 18:Gale Group F&S Index(R)

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02536614 Supplier Number: 45766337

Bank Fraud, the Old-Fashioned Way

Business Week, p96

Sept 4, 1995

ISSN: 0007-7135

Language: English Record Type: Abstract

Document Type: Magazine/Journal; General Trade

ABSTRACT:

...In the long-term, **online fraud** may pass other the forms, which include **ATM and credit-card fraud**. Currently, about 60 bil checks are written every year in the US, with check fraud growing 136% from 1991 to 1993. Desktop publishing and other fast-growing technologies make **check fraud** increasingly simple. **Steps** that banks are taking to shield both themselves and customers include 'positive pay,' in which...

File 15:ABI/Inform(R) 1971-2001/Jul 23
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File 9:Business & Industry(R) Jul/1994-2001/Jul 23
(c) 2001 Resp. DB Svcs.

File 623:Business Week 1985-2001/Jul W4
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File 810:Business Wire 1986-1999/Feb 28
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File 160:Gale Group PROMT(R) 1972-1989
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File 148:Gale Group Trade & Industry DB 1976-2001/Jul 23
(c)2001 The Gale Group

File 20:World Reporter 1997-2001/Jul 24
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File 634:San Jose Mercury Jun 1985-2001/Jul 20
(c) 2001 San Jose Mercury News

File 635:Business Dateline(R) 1985-2001/Jul 21
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File 570:Gale Group MARS(R) 1984-2001/Jul 23
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File 47:Gale Group Magazine DB(TM) 1959-2001/Jul 23
(c) 2001 The Gale group

File 647:CMP Computer Fulltext 1988-2001/Jul W4
(c) 2001 CMP

File 674:Computer News Fulltext 1989-2001/Jul W2
(c) 2001 IDG Communications

Set	Items	Description
S1	635580	(MULTI? OR NUMEROUS? OR MANY OR MYRIAD OR SEVERAL? OR VARIOUS? OR ABUNDANT? OR PLENTIFUL?) (2N) (LEVEL? OR LAYER? OR STAGE? OR TIER? OR STEP? OR PHASE? OR FACET? OR ASPECT? OR CHAIN - OR SEQUENC? OR RANK? OR SERIES? OR RANGE?)
S2	216335	HIERARCH? OR PLURAL?
S3	2896805	FRAUD? OR ILLEGAL? OR UNAUTHORIZ? OR UNAUTHORIS? OR UNLAWFUL? OR DISHONEST? OR DECEIT? OR DECEPT? OR FALSE? OR UNFAIR? - OR TRICK? OR CHEAT?OR STEAL??? OR THEFT? OR THIEVE? OR SWINDLE? OR SHAM? OR PRETEN? OR FAKE? OR HOAX? OR IMPOSTER?
S4	21440759	COMPAR? OR CHECK? OR LIKEN? OR MATCH? OR EXAMIN? OR VIEW? - OR WEIGH? OR MEASURE? OR CONTRAST? OR VERIF? OR CONFIRM? OR (-CROSS() (CHECK? OR REFERENC?)) OR CORROBORAT? OR MONITOR? OR SCRUTINI? OR REVIEW? OR FIND? OR IDENTIF?
S5	6088028	SOFTWARE? OR SOFT()WARE? OR AI OR (ARTIFICIAL()INTELLIGENCE) OR (NEURAL()NET?) OR PERCEPTRON? OR (PATTERN() (RECOGNITION OR CLASSIFICATION)) OR ((EXPERT OR INTELLIGENT) () (SYSTEM? OR - NETWORK?))
S6	9753279	INTERNET OR WWW OR (WORLD()WIDE()WEB) OR (WORLDWIDE()WEB) - OR WEBPAGE? OR WEBSITE? OR WEB() (PAGE? OR SITE?) OR ONLINE? OR ON()LINE?
S7	12162	((NEURO OR NEURON) () (NET? OR CONTROLLER? OR CHIP? OR TRANSMI? OR COMPUT? OR PROCESS? OR EMULAT?)) OR NEURIST? OR NEURONET? OR NEUROCONTROL? OR NEUROCHIP? OR NEUROTRANSMIT? OR NEUROCOMPUT? OR NEUROPROCESS? OR NEUROEMULAT?
S8	241	(S1 OR S2) (10N) (S3(5N)S4)
S9	14	S8(20N) (S5 OR S7)
S10	10	RD (unique items)

S11 16 S8(S) (S7 OR S7)
S12 11 RD (unique items)
S13 25 S8(S)S6
S14 12 RD (unique items)
S15 9 S14 NOT (S10 OR S11 OR S12)
S16 62 ((S1 OR S2) (10N) (S3(5N)S4)) AND ((S5 OR S7) AND S6)
S17 35 RD (unique items)
S18 24 S17 NOT (S10 OR S11 OR S12 OR S14)

18/3,K/1 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0828692 BW1031

**NEC TECHNOLOGIES 1: NEC Technologies' Newest Line of MultiSync LCD Monitors
Emphasizes Versatility, Ease-of-Use**

March 31, 1998

Byline: Business Editors, Hi-Tech Writers

...views with one simple, fluid motion of the monitor,
while the included Pivot(R) driver **software** from PDI and a single
user-defined keystroke toggles the screen image between portrait and...

...the
universal security slot (seen for many years in notebook computers) to
guard these new **monitors** against **theft** .

The **MultiSync LCD Series** also offers flexible mounting choices
for both portrait and landscape modes. The monitors follow the...products c
an be
obtained by calling 800/NEC-INFO or by visiting NEC Corporation's **Web
site** at [www .nec.com](http://www.nec.com).

CONTACT: NEC Technologies, Inc.
Dave DeVries, 630/467-4552
ddevries@nectech.com

KEYWORD...

...COMED PRODUCT

Today's News On The Net - Business Wire's full file on the **Internet**
with Hyperlinks to your home page.
URL: [http:/ www .businesswire.com](http://www.businesswire.com)

> ...

18/3,K/2 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
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0818607 BW0116

**LIGHTBRIDGE: Fast-Growing Telecommunications Providers Turn to
Lightbridge's Telesto for a Competitive Edge**

March 09, 1998

Byline: Business/Technology Editors

...quick customer qualification
and activation via an Intranet or Extranet connection.
-- Fraud Detect is a **multi faceted fraud** detection tool that
identifies subscription **fraud** at the point of sale and prevents
it from happening.

About Lightbridge

Lightbridge, Inc. (NASDAQ:LTBG), based in Burlington, Mass., is a
leading provider of **software** -based services that help global
telecommunications carriers quickly acquire customers and retain them
over time...

...telecommunications marketplace.
Additional information on the company can be found on the Web at
[http:/ www .lightbridge.com](http://www.lightbridge.com).

About EATEL

EATEL is a privately-owned telecommunications company

headquartered in Gonzales, LA...

...in its infancy, EATEL and its subsidiary companies today provide local and long distance service, **Internet**, paging, phone systems and PCS to residents and businesses in Louisiana. The company employs 314...

...ELECTRONICS
TELECOMMUNICATIONS

Today's News On The Net - Business Wire's full file on the **Internet** with Hyperlinks to your home page.
URL: [http:// www .businesswire.com](http://www.businesswire.com)

>

...

18/3,K/3 (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire
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0798105 BW1020

MICROFRAME: MicroFrame's Sentinel 2000S Slimline Receives TELECONNECT's Editors Choice Award for January '98

January 22, 1998

Byline: Business Editors

...J.--(BUSINESS WIRE)--Jan. 22, 1998--MicroFrame Inc. (NASDAQ:MCFR), a provider of hardware and **software** solutions for secured Remote Network Management systems, today announced the Sentinel 2000S(TM) Slimline as...

...port and provides central and/or local audit reports, and can also detect PBX toll **fraud** by **monitoring** CDR ports for activity that violates pre-defined **threshold levels** in **various** call classifications.

"The Slimline provides benefits to our customers for both network integrity and economic...

...7 days a week."

Headquartered in Edison, N.J., MicroFrame develops and manufactures hardware and **software** solutions for secured Remote Network Management systems for voice, video and data networks. Products are...

...e-mail: lisa@m CFR.com

KEYWORD: NEW JERSEY

INDUSTRY KEYWORD: COMPUTERS/ELECTRONICS COMED

INTERACTIVE/MULTIMEDIA **INTERNET** TELECOMMUNICATIONS PRODUCT TRADESHOW

Today's News On The Net - Business Wire's full file on the **Internet** with Hyperlinks to your home page.
URL: [http:// www .businesswire.com](http://www.businesswire.com)

>

...

18/3,K/4 (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire
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0764580 BW1116

CLEAR COMMUNICATIONS: New Access Software From Clear Communications Enables Customer Network Management Of Transport Broadband Services

October 28, 1997

Byline: Business/Technology Editors

New Access Software From Clear Communications Enables Customer Network Management Of Transport Broadband Services

...network management (CNM), today announced the release of ClearInterconnect(TM), the first truly multivendor CNM software, allowing carriers to offer secure, partitioned access to wholesale customers who wish to control their...

...carrier's network security because it can strictly control network views and authorizations. ClearInterconnect employs multiple layers of firewall protection against unauthorized intrusion.

"We are finding that service providers, as well as large corporate clients, are not only demanding direct access...

...to use existing bandwidth, is advantageous to the incumbent carrier. The need to add extra intelligent network elements solely to prevent intrusion by the service provider can be eliminated. The results are...

...the leader in customer network management through intelligence surveillance applications for the telecommunications industry, providing software-based solutions that enable the deployment of advanced communications services. Customers include the leading local...

...on Clear and its products, call 847-317-2500, or access the company via the Internet at: www.clear.com.

Note to Editors: ClearInterconnect is a trademark of Clear Communications Corporation.

CONTACT: C...

...ELECTRONICS TELECOMMUNICATIONS

Today's News On The Net - Business Wire's full file on the Internet with Hyperlinks to your home page.
URL: <http://www.businesswire.com>

>

...

18/3,K/5 (Item 5 from file: 810)
DIALOG(R) File 810:Business Wire
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0718756 BW1168

LIGHTBRIDGE 2: Lightbridge's Telesto offers Dobson Cellular Systems integrated customer acquisition solution

June 30, 1997

Byline: Business/Technology Editors

...also integrate with Dobson Cellular Systems' current billing system.
-- CAS(tm) (Customer Acquisition System), a software-based service that includes online, real-time transaction processing for the qualification and acquisition of applicants;
-- InSight(tm), a customer...

...the need to re-qualify them and expedite the qualification process;
-- Fraud Detect(tm), a multi faceted fraud detection tool that identifies subscription fraud at the point of sale and prevents it from happening;
-- ProFile(r), an inter-carrier database of accounts receivable

write-offs and service cut-offs that provides on line re-screening of potentially fraudulent applicants. ProFile covers 73 markets, 50 states and \$750 million...

...About Lightbridge

Lightbridge, Inc. (NASDAQ:LTBG), based in Waltham, Mass., is the leading provider of software-based services that help global telecommunications carriers quickly acquire customers and retain them over time...

...telecommunications marketplace. Additional information on the company can be found on the Web at <http://www.lightbridge.com>.

About Dobson Cellular Systems

Dobson Cellular Systems is a subsidiary of Dobson Communications...

18/3,K/6 (Item 6 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0696489 BW1317

MICROFRAME: MicroFrame's Sentinel 2000 To Be Featured At NetWorld+Interop '97; Provides 'Virtual Tech' At Remote Equipment Sites 24 Hours A Day, 7 Days A Week

April 28, 1997

Byline: Business/Technology Editors

...port and provides central and/or local audit reports. It also can detect PBX toll fraud by monitoring CDR ports for activity that violates predetermined threshold levels in various call classifications.

Other Sentinel 2000 features include:

- Auto-Pings to selected LAN elements for health...

...the state-owned Telecom Finland.

Headquartered in Edison, NJ, MicroFrame develops and manufactures hardware and software solutions for secured Remote Network Management systems for voice, video and data communications. Products are...

...Fax: 908-821-2537

KEYWORD: NEW JERSEY NEVADA

INDUSTRY KEYWORD: COMPUTERS/ELECTRONICS COMED

INTERACTIVE/MULTIMEDIA INTERNET PRODUCT TRADESHOW

18/3,K/7 (Item 7 from file: 810)
DIALOG(R)File 810:Business Wire
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0570594 BW0001

IA: IA Corp. Announces New CheckVision Products; New CheckVision Archive Software Supports Short- and Long-term Check Image Archival With Dynamic, Multi-tiered Migration

April 01, 1996

Byline: Business Editors/Computer Writers

IA Corp. Announces New CheckVision Products; New CheckVision Archive Software Supports Short- and Long-term Check Image Archival With Dynamic, Multi-tiered Migration

...corporations to view items and reject suspect checks before they are paid.

RemitVision remittance processing **software** includes:

- Integration of wholesale and retail lockbox applications for better ROI
- The first-on-the-market expansion to the bank's customer site
- **Online** remote exception processing with a link between bank customer and lockbox system
- New versatile archive...

...IA Corp., a

leading developer of image-based cash management and high-end workflow management **software**, announced today new CheckVision and RemitVision features to put **on line** banking and cash management functions at a customer's fingertips, as well as tackle such important industry issues as **check fraud**, **multi-tiered check archival** and system scalability and compatibility.

With such clients as Merrill Lynch, Fidelity Investments, Federal...

...image research and image enabled account reconciliation. CheckVision output can be on paper, CD or **online**. New features can create new fee-based services for banks and include:

CheckVision Archive -- provides...

...Processing) services with check images. A new fee-based service, it allows customers to go **online** and view reconciliation reports along with check images. CheckVision ARP also supplies monthly reports with...

...with check images

- CheckVision Research/Inquiry -- allows PC-based inquiry and retrieval of images

CheckVision **software** can be used in conjunction with customers' current systems adding new features to existing check...

...increases the overall return on investment.
Expanded New Features

New features include RemitVision Archive and **on line** remote exception processing with image output that can be integrated into existing Treasury Management Systems...

...bank customer

with a link into the lockbox production system.

"RemitVision is a 'Top Gun' **software** application for the highest-volume customers such as the top 125 banks," said Leger.

WorkVision 4.0 **Software** Platform

CheckVision and RemitVision are built on the high-end, high-performance, object-oriented work management **software** platform, WorkVision. WorkVision incorporates workflow, document management, advanced work monitoring and object storage technologies suitable...

...extract the next most important work item.

WorkVision 4.0 Addresses Customer Needs and Traditional **Software** Limitations

In the past, other work flow **software** suffered limitations in managing high-volume, production-oriented transactions. WorkVision 4.0 has addressed customer...

...IA Corp., headquartered in Emeryville, Calif., is a provider of high-end, high-performance business **software** applications. Focusing currently on the dynamic, multi-billion dollar financial and banking industry, IA has...

...into other market segments

which have similar high-end application characteristics

Its object-oriented WorkVision software platform is a high-performance, enterprise-level, geographically distributed, client/server work management software product which is highly scalable. Application-specific frameworks, such as CheckVision and RemitVision, can be...94608-1840. Telephone: 510/450-7000. Fax: 510/450-7099

Email: info@ia-us.com Website : http:// www .ia-us.com.

CONTACT: IA Corp.
Thierry Leger, 510/450-6816
ThierryLeger@ia-us.com...

18/3,K/8 (Item 8 from file: 810)
DIALOG(R)File 810:Business Wire
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0568173 BW0002

IA CORP 2: IA Corp. to Announce New Checkvision Products at BAI; New CheckVision Archive Software Supports Short- and Long-term Check Image Archival With Dynamic, Multi-tiered Migration

March 22, 1996

Byline: Business Editors and Computer Writers

IA Corp. to Announce New Checkvision Products at BAI; New CheckVision Archive Software Supports Short- and Long-term Check Image Archival With Dynamic, Multi-tiered Migration

...IA Corp., a leading developer of image-based cash management and high-end workflow management software, will announce at the upcoming Banking Administration Industry (BAI) trade show, new CheckVision and RemitVision features to put on line banking and cash management functions at a customer's fingertips.

The new products tackle such important industry issues as check fraud, multi tiered check archival and system scalability and compatibility.

New CheckVision Features Create New Fee-based Services
CheckVision...

...image research and image enabled account reconciliation. CheckVision output can be on paper, CD or online. New features can create new fee-based services for banks and include:

CheckVision Archive-- provides...

...Processing) services with check images. A new fee-based service, it allows customers to go online and view reconciliation reports along with check images. CheckVision ARP also supplies monthly reports with...

...with check images
--CheckVision Research/Inquiry--allows PC-based inquiry and retrieval of images

CheckVision software can be used in conjunction with customers' current systems adding new features to existing check...

...Corp., headquartered in Emeryville, Calif., is a provider of high-end, high-performance enterprise application software products. Focusing currently on the dynamic, multi-billion dollar financial services and banking industry. IA...

...94608-1840. Telephone: 510/450-7000.

Fax: 510/450-7099 Email: info@ia-us.com
Website : http:// www ia-us.com.

CONTACT: IA Corporation
Thierry Leger, 510/450-6816
TerryLeger@ia-us.com...

...260-3908

mesadebra@aol.com

KEYWORD: CALIFORNIA

INDUSTRY KEYWORD: COMPUTERS/ELECTRONICS COMED PRODUCT
INTERACTIVE/MULTIMEDIA INTERNET

18/3,K/9 (Item 1 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

02088106 SUPPLIER NUMBER: 19656364 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Local competition: Ameritech Communications selects Lightbridge's Telesto Customer Acquisition Solution for its new long-distance service. (Company Business and Marketing)
EDGE, on & about AT&T, v12, p21(1)
August 4, 1997
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 596 LINE COUNT: 00058

... integrated solutions which are offered within the Telesto network:
- Credit Qualification, a service that includes **online**, real-time transaction processing for the qualification of consumer and business applicants.
- InSight, a customer...

...expediting the qualification process;
- Fraud Sentinel suite of subscription fraud prevention solutions:
- Fraud Detect, a **multi -faceted fraud** detection tool that **identifies** subscription fraud at the point of sale and prevents it from happening;
- FroFiler, the most extensive inter-carrier database of accounts receivable write-offs and service shut-offs that provides **on -line** pre-screening of potentially fraudulent applicants. ProFile covers 75 markets, 50 states and \$750 million...

...address correction data sources.

Lightbridge, Inc., based in Waltham, Mass., is a leading provider of **software** -based services that help global telecommunications carriers quickly acquire customers and retain them over time...

...telecommunications marketplace. Additional information on the company can be found on the Web at [http://www .lightbridge.com](http://www.lightbridge.com).

Ameritech serves millions of customers in 50 states and 40 countries. Ameritech provides...

...services, including local and long distance telephone, cellular, paging, security monitoring, cable TV, electronic commerce, **on -line** services and more. One of the world's 100 largest companies, Ameritech ([www .ameritech.com](http://www.ameritech.com)) has 66,000 employees, 1 million shareowners and \$23 billion in assets.

18/3,K/10 (Item 2 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
(c) 2001 The Gale Group. All rts. reserv.

01254895 SUPPLIER NUMBER: 07000741 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Using an instructional LAN to teach a statistics course. (Univ of Texas)
Barnes, J. Wesley; Swehosky, Frank J.; Laguna-Castillo, Manuel

...ABSTRACT: microcomputer-based LAN to provide high-level personalized statistics instruction. The system includes instructional management **software** that interfaces with computer-delivered tests, CAI tutorials, and demonstrations and simulations, and it accesses an **online** statistics package during all phases of instruction. The system is built with IBM hardware; it...

... using a microcomputer LAN to interface computer-delivered tests, CAI tutorials, demonstrations, simulations and an **online** statistics package with an instructional management **software** package. The management package performs the duties of maintaining student and course records, computing course...

...efficient management of the course. A unique feature of the project is that the management **software** also allows access to a high-quality, **online** statistics package during all phases of instruction, including testing.

The pedagogical rationale of the project...

...nature of computer-managed and -assisted instruction. Integrating the tutorial and test environments with the **online** statistical package allows students to focus on learning the concepts and analysis techniques in a...

...to service as many as 48 remote learning stations. The LAN is associated with five **software** modules: the IBM Local Area Network Program (Version 1.10), the CMI management module, the...

...Technique model, which provides a means for describing and tracking the work done on the **software** products that make up the courseware. This technique has been integrated with the Dick and...

...Once the files arrive at the learning stations, they operate independently.

Two pieces of support **software** were used to translate the pedagogical design into lessons and tests. Private Tutor Version 2...

...the creation of several standard test items or test forms. In effect, both of these **software** tools allow the pedagogical designers to also be the programmers with little difficulty.

Course Structure...constructed for use in the ME335 project are limited to four kinds of questions: true-false , matching , ranking and **multiple** -choice.

Since a student may take more than one test for a particular unit, multiple...

...CAI tutorials are managed by the Presenter Program of the Private Tutor Version 2.0 **software** package. Private Tutor allows the use of both a non-interactive (Text) and three different...

...the answer to the previous screen. Branching can be used to access the statistical analysis **software** during the presentation.

At the end of a tutorial session, the student's performance in...

...only one location and are easily changed using the powerful editing capabilities of the microcomputer **software** that has been employed.

4. The students taking the class under the LAN-based system...

Which HSM Features Does Your Company Need?

Open Computing August 1994; Pg 86; Vol. 11, No. 8

Journal Code: UNIX ISSN: 0739-5922

Section Heading: Products

Word Count: 314 *Full text available in Formats 5, 7 and 9*

BYLINE:

D.L.

TEXT:

There are **many** different levels of HSM, and the **trick** is **matching** your company's needs with the right level. Here's a brief summary explaining how...

...match HSM features for your organization using HSM Levels:

If you're looking for HSM **software** to migrate older files to free up disk space, and your users can put up...

... as tape, then you should consider cheaper HSM Level 0 products. At this level, HSM **software** only migrates files to secondary devices but requires manual intervention to bring the files back **online**. Organizations that maintain a lot of older, rarely accessed files are good candidates for HSM Level 0 **software**.

If you need to free up your primary storage device by automatically migrating older files...

... the files to remain accessible by the users, then you probably need HSM Level 1 **software**. Organizations—such as design shops—that use many CAD/CAM files or other large image...

...two or more levels of a storage hierarchy, then you'll need Level 2 HSM **software**.

If you need three separate hierarchies that include optical disk, tape, and volume management, then...

18/3,K/12 (Item 1 from file: 621)

DIALOG(R) File 621:Gale Group New Prod.Annou.(R)

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02543536 Supplier Number: 62831684 (USE FORMAT 7 FOR FULLTEXT)

ACOM's Enterprise Payment Manager Blends Paper-Based, Electronic Processes, Provides Unprecedented Configuration Flexibility.

Business Wire, p0338

June 20, 2000

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 536

... Payment Manager provides all of this capability in a single platform, working with all financial **software** packages and bringing our customers the flexibility to configure their systems for maximum security, efficiency...

...laser-printed remittance advice

-- Features its own MS-SQL database

-- Works with all financial management **software** packages

-- Local or remote payments; remote check and remittance advice printing

-- Payee and checkbook disbursement...

...Checks module with ACH capability

-- Networked and cluster printing support

Key Security features

- Positive Pay **Check Fraud** Avoidance
- **Multi-level** Security down to the user level for:
 - Batch Access
 - Branch Processing
 - Departmental Processing
 - Checkbook access...

...solutions that integrate with enterprise applications to enhance back office and B2B processes for electronic, **Internet** and paper-based commerce. ACOM solutions run host-resident on the AS/400 platform as well as in the Microsoft Windows and client-server environments. Solutions include hardware-**software** MICR laser payment processing systems; electronic data interchange (EDI) solutions for e-commerce between multiple trading partners; **Internet** -based commerce solutions; and electronic document systems for laser printer generation of business and financial forms, checks barcodes and labels. ACOM solutions are compatible with all financial management/ERP **software** . Contact ACOM at 2850 E. 29th St., Long Beach, Calif. 90806; telephone 562/424-7899; fax 562/424-8662; e-mail gchurch@acom.com; Web: [www .acom.com](http://www.acom.com).

18/3,K/13 (Item 2 from file: 621)
DIALOG(R) File 621:Gale Group New Prod. Annou. (R)
(c) 2001 The Gale Group. All rts. reserv.

02163760 Supplier Number: 55662222 (USE FORMAT 7 FOR FULLTEXT)
Tripwire Protects Operating System Files and Guards Against 'Backdoors'.
PR Newswire, p1707
Sept 6, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 630

... last week that Microsoft Corp. included a digital "NSA signing key" in its Windows NT **software** raised concern about security vulnerabilities inherent in **software** and highlights the need for end-users to secure their computer systems. Tripwire Security Systems...

...knowledge. The fact that a replacement key, or another backdoor, could be embedded into any **software** shows the importance of security technologies that monitor changes to operating system files. While this...

...face. If your system files are compromised, your entire corporate network is easy to compromise."

On-line discussion groups, such as NT BugTraq, were quick to understand the implications of this vulnerability...

...can be found in unexpected places, comprehensive security should be an in-depth endeavor involving **multiple levels** of protection, and system files should be **monitored** for **unauthorized** changes."

Tripwire was developed in 1992 for intrusion detection purposes. It is a flexible tool with multiple applications including damage assessment and recovery, **software** verification, auditing, and policy compliance. It is also being utilized by organizations as a part of Y2K preparations. Tripwire can enforce system lockdowns, ensuring that untested **software** is not installed on Y2K compliant systems. It will also be effective in the event...

...to the date change.

About Tripwire Security Systems Inc.

TSS is a Portland, Oregon-based **software** company specializing in system security, audit and policy compliance applications. The company is developing a...

...available since January 1999. More information on Tripwire can be found on the company's **web site** , [http://www .tripwiresecurity.com](http://www.tripwiresecurity.com) .

For more information contact: Kelly Hansen of Tripwire Security

18/3,K/14 (Item 3 from file: 621)
DIALOG(R) File 621:Gale Group New Prod. Annou. (R)
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01678870 Supplier Number: 50173315 (USE FORMAT 7 FOR FULLTEXT)
Dr Solomon's Software Launches Anti-Virus Toolkit for Solaris and Digital Alpha
PR Newswire, p716HSTH006
July 16, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 835

Dr Solomon's Software Launches Anti-Virus Toolkit for Solaris and Digital Alpha
Reach Across the Enterprise

BURLINGTON, Mass., July 15 /PRNewswire/ -- Dr Solomon's **Software** (Nasdaq: SOLLY; Easdaq: SOLL), the worldwide leader in computer virus detection, identification and disinfection, today announced a new version of its industry-leading anti-virus **software** solution, the Anti-Virus Toolkit, for Sun Microsystems' (R) Solaris(TM) enterprise computer operating system...

...protection for Windows."

"More and more users are sharing data across intranets, extranets and the **Internet**, increasing the potential that applications, workstations and servers are exposed to viruses," said Brian Gentile, vice president of market development and **software** services, Sun Microsystems. "We are pleased that Dr Solomon's is porting its Anti-Virus...

...Heuristic Analysis functionality which has the ability to detect new macro viruses without a costly **false** alarm problem. **FindVirus** also has the ability to scan recursively inside **multiple layers** of compressed and archived files where many viruses remain undetected by competing products.

Pricing and...

...virus emergency support, major maintenance releases and beta testing opportunities.

Company Background

Dr Solomon's **Software** is the world's leading developer of computer virus detection, identification and disinfection tools for...

...major operating systems, groupware applications and e-mail. Dr Solomon's also develops solutions for **software** and hardware auditing, network management and system administration.

Founded in 1984, Dr Solomon's **Software** has an installed user base exceeding 20 million worldwide and employs more than 500 staff...

...1296-318-700 in the U.K. or elsewhere, or visit the Dr Solomon's **Web site** at www.drsolomon.com. For investor information, please contact Shandwick Consultants Limited at +44-(0)-171-329...

...August 13, 1998, although there can be no assurance to that effect.

Dr Solomon's **Software** is a registered trademark of Dr Solomon's **Software** Limited. All other trademarks are the property of their respective owners.

SOURCE Dr. Solomon's **Software**

anne.beitel@drsolomon.com; or Adam Castellani of Alexander Communications,
404-897-2300, or acastell@alexandercom.com, for Dr Solomon's **Software** /

/Web site : http://www .drsolomon.com/
(SOLLY NETA)

CO: Dr. Solomon's **Software** ; Networks Associates, Inc.
ST: Massachusetts
IN: CPR
SU: PDT

DM

-- HSTH006 --

9722 07/16/98 09:16 EDT http://www .prnewswire.com

COMPANY NAMES: Dr. Solomon's **Software** Inc.
NAICS CODES: 51121 (**Software** Publishers)

18/3,K/15 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05341341 Supplier Number: 48126385 (USE FORMAT 7 FOR FULLTEXT)

Weaving The Web Fantastic II

Santalessa, Rich

InternetWeek, p73

Nov 17, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 4083

... room for improvement.

The bottom line is that FrontPage 98 is now a first-class **Web site** authoring system. It won't replace a professional on-staff Web designer any time soon...

...0, NetObjects has corrected several of 1.0's major annoyances--the inability to import **Web sites** springs immediately to mind--and improved 2.0's overall speed and features.

If you...

...version, called 2.0.2 which is available as a free download off of NetObjects' **Web site** . This update still manages to bring significant value to this product, including better support for...

...Web spinning greatly rewards up-front planning. It's certainly possible to piece together a **Web site** 's structure as you create pages in Fusion, and the ability to remap a site...

...makes false starts easy to correct, but Fusion's on to something here.

Too many **Web sites** are developed in a scattershot fashion, creating problems down the road that a little planning would have avoided.

Fusion delivers its **Web site** legerdemain through four main views--Site, Page, Assets and Publish. At start-up you're...

...s likewise where your site's jump-started into life when you define pages, establish **hierarchies** and later manage the site's growth. The **deceptive** simplicity of the Site view belies Fusion's sophisticated underpinnings.

For example, you can apply one of the 50 bundled graphic styles, or your own created style, across an entire **Web site** from the Style view. And if you tire of one look you can select and...

...uses this style if you've set up a MasterBorder. MasterBorders are margin areas of **Web pages** holding "master" elements that can be navigational graphic buttons, text links, company copyright statements,

contact...

...borders or through frames. If you've ever coded navigation bars by hand for a **Web site**, you've wished for this feature.

Creating page "place-holders" in the Site view is...

...view.

The PageDraw editor isn't just show, it works like most corporate-level DTP **software** packages, complete with text styles, and text and image boxes you draw on the page...

...between text boxes, which alone single-handedly banished X-acto knives from publishing.

Unlike DTP **software**, Fusion isn't all text and no media. You can add forms, ActiveX controls, Java format proposed by Apple as an **Internet** standard and also backed by companies such as Netscape, Excite and XSoft. These companies hope it will be adopted and allow developers to create better **Internet** data access tools for publishing database and legacy data content.)

And after you've created...

...less about HTML coding and would rather concentrate on the look and feel of your **Web pages**, Fusion's the tool of choice.

SoftQuad HotMetaL Pro 4.0

Firmly established as an...

...HTML authoring suite for several years now, SoftQuad's HotMetaL Pro 4.0 was making **Web pages** before the **Internet** was cool. Though slowly losing market share to more innovative competition, SoftQuad is fighting back...

...The Editor now conforms to HTML 3.2 and can handle all Netscape 3 and **Internet Explorer** 3.0 extensions, as well as HTML 4.0 support to the extent provided...

...a site--a tree view, a file view and a cyberbolic view that maps complex **Web sites** in a unique and effective three-dimensional spheroid way.

Via the Site Maker component, Information...

...out the page-creation wizards to apply coordinated "Web Decor" graphics elements. The Site Maker **software** offers close to 90 page template layouts in four general categories--Intranet, Personal, Company and...

...SoftQuad has made some admirable additions.

There's a special visual dynamic keyboard and a **Web page** accessibility checker.

Befitting a tool of its breadth, HotMetaL Pro doesn't disappoint when it...

...CSS Editor highlights a crucial truth about HotMetaL Pro 4.0: The surfeit of options, **software** and features are nearly overwhelming at times, a strength or weakness depending on your viewpoint ...Visual Cafe Java development environment, this is a capable tool for small-to-medium-sized **Web site** design that includes version control and project management features you'd expect from more expensive...

...the Site Window button on the main tool bar, select your current or any other **Web site** local directory, and all the directories, text, HTML and your varied graphics files appear in...

...source-editing window and a built-in preview mode. Visual Page can display a single **Web page** simultaneously in all three modes, each appearing in a different window. The HTML source-editing...

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...345 Park Ave.

San Jose, Calif. 95110-2704

408-536-6000

Fax: 408-537-6000

www.adobe.com

Requirements: Macintosh: 68040 or faster processor; 8 MB RAM; 10 MB hard drive...Santa Clara, Calif. 95052

Voice: 408-727-8227, 800-544-8554

Fax: 408-987-7333

www.claris.com

Requirements: Windows: 4 MB hard drive space; Windows 95 or Windows NT 3...

...Menlo Park, Calif. 94025

Voice: 800-554-6638; 650-463-1580

Fax: 650-463-1598

www.golive.com

Requirements: Power Macintosh; 8 MB RAM; 8 MB hard drive space; System 7...

...San Francisco, Calif. 94103

Voice: 800-288-4797, 415-252-2000

Fax: 415-626-0554

www.macromedia.com

Estimated street price: \$499, special introductory pricing of \$299 (street) until Feb. 28...

...1 Microsoft Way

Redmond, Wash. 98052-6399

Voice: 800-426-9400

Fax: 425-936-7329

www.microsoft.com/frontpage/

Requirements: 486 or faster processor; 36 MB hard drive space; Windows 95...

...2055 Woodside Rd.

Redwood City, Calif. 94025

Voice: 415-482-3200

Fax: 415-562-0298

www.netobjects.com

Requirements: 16 MB RAM (24 MB recommended). Macintosh: Power Macintosh; 10 MB hard...

...Corp.

1 Alewife Center

Cambridge, Mass. 02140

Voice: 617-671-2000

Fax: 617-671-2001

www .allaire.com

Requirements: 486/66 or faster; 16 MB RAM; 3.75 MB hard drive...

...Box 2025

Toronto, Ontario M4R 1K8

Canada

Voice: 416-544-9000

Fax: 416-544-0300

www .softquad.com

Requirements: 16 MB RAM; 30 MB hard drive space; Windows 95 or Windows

...

...95014

Voice: 408-253-9600, 541-334-6054, 800-441-7234

Fax: 541-984-8020

www .symantec.com

Requirements: 486/66MHz minimum, Windows 95 or Windows NT 4.0, 8 MB...

...and good luck--unless you define some careful ground rules, that is. To put the **software** through their paces, we took a three-pronged approach, testing whether programs were suitable for complex Web authoring, simple page creation and offered any site management tools.

Software designed to make page creation as easy as possible should sport features such as wizards...

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To test each **software** package's prowess at existing site modifications, we downloaded three **Web sites** : a personal **Web site** of simple pages, InternetWeek's **Web site** to three levels; and a Web design firm's site, which was heavily weighted with...

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Also, the quality of HTML output was reviewed with Windows versions of MS **Internet Explorer** versions 3.2 and 4.0, Netscape Navigator 3.02 and Communicator 4.03...Honors

And the winner is....Power, poise and performance are the three p's of **software** testing.

And when it comes down it, GoLife's CyberStudio and Microsoft FrontPage 98 displayed.

PRODUCT NAMES: 7372682 (Internet Server Software)

NAICS CODES: 51121 (Software Publishers)

18/3,K/16 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2001 The Gale Group. All rts. reserv.

04084345 Supplier Number: 45949381 (USE FORMAT 7 FOR FULLTEXT)

17-inch monitors: Big screen test, take 10, part 2

InfoWorld, p074

Nov 20, 1995

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 5065

... 6.7

ViewSonic 17PS

ViewSonic Corp.

Walnut, Calif.

(909) 869-7976

fax: (909) 869-7958

World Wide Web : <http://www.viewsonic.com>

(Weighting) Performance

Setup and usability (200) Very Good 150.00 With only two simple control buttons and two arrows for navigation, the ViewSonic 's control panel is **deceptively** simple: The **hierarchical** on-screen menu it controls is inclusive. We did need to refer to the documentation...

...available weekdays from 7 a.m. to 6 p.m. Pacific time. Also available are **on-line** support via the **World Wide Web** and a troubleshooting guide accessible through a fax-back system.

Technical support (75) Excellent 75...baked-on antiglare treatment. Look for thin film, because thick film can cause muddied images.

* **Software** /hardware display utilities: Additional **software** that allows you to control image quality via the mouse and keyboard.

* SuperErgo coating: Nanao...make repetitive stress injury not just for wrists anymore.

WEB PITFALLS

If you're designing **World Wide Web** pages on a 17-inch or larger monitor, Jack Roberts, an analyst for Dataquest Inc., reminds...

...consider format and size when creating and placing print ads, so should you design your **Web** pages with your customers' browsing capabilities (and limitations) in mind. The bottom line: make a dry...

...they also accommodate more spreadsheet columns, more drawing and designing workspace, and bigger views of **World Wide Web** pages than their 14- and 15-inch counterparts.

All the monitors we looked at provide an...

...Electronics America's SyncMaster 17 GLsi combines some of the best features of hardware and **software** control.

Nokia Display Products Inc.'s 447W has a broad range of adjustments, coupled with...747-6886).

Some of the monitors we reviewed provide the capability (through an additional hardware/**software** utility) to make adjustments to the monitor settings via the keyboard and mouse. The final...expense. Some tools depend almost totally on your subjective visual judgment; others implement more sophisticated **software** or hardware-**software** combinations. Costs

increase accordingly.
TURN ON, TUNE IN. The least expensive fixes are the monitor...

...is built right in to the operating system, in the form of ColorSync.
AUTOMATIC, SYSTEMATIC. **Software** -only calibration solutions have a
fundamental problem: They depend on users' subjective perceptions of
brightness...

18/3,K/17 (Item 1 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2001 The Gale Group. All rts. reserv.

12098162 SUPPLIER NUMBER: 61640342 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Getting started.

Rainford, Cheryl

Successful Farming, 98, 5, 10

March 15, 2000

ISSN: 0039-4432

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 918

LINE COUNT: 00075

... you might like to get wired? If so, ask yourself how you will use
the **Internet** and how much time you might be spending **online** . Then, ask
your Netsavvy friends and neighbors about their **Internet** Service Providers
(ISPs).

ISPs are companies that link computers to the **Internet** via modems.
Important things to consider in choosing an ISP are tech support, toll-free
...

...can use to build your own site (if you want to).

If you can get **online** at a friend's house or at your public
library, you can gather a great deal of information about the different
ISPs from their **Web Sites** .

One to visit is America **Online** (AOL). ([www .aol.com](http://www.aol.com)). This
nationwide **online** service is good for beginners, since it has **software**
that is easy to install as well as knowledgeable and accessible tech
support. Prodigy ([www .prodigy.com](http://www.prodigy.com)) and EarthLink ([www .earthlink.com](http://www.earthlink.com))
are similar options. The prices of such services are roughly comparable,
but look...

...another choice. They cost about the same, but let you have more control
over the **software** you use. To find one near you, visit [www .thelist.com](http://www.thelist.com),
a buyer's guide to ISPs with 8,300 listings.

That latest option...

...spend less time waiting for sites to load. You can find a DSL provider
at [www .dslreports.com](http://www.dslreports.com).

How to search

Finding things on the Web can be a challenge. Information...

...first time. Knowing how to use the different tools and search engines
available on the **Internet** can mean the difference between endless hours
of searching and actually finding what you need...

...you have no idea where to start, visiting a general-interest search
directory like Yahoo ([www .yahoo.com](http://www.yahoo.com)), or a search engine like Alta Vista
([www .altavista.com](http://www.altavista.com)), Lycos ([www .lycos.com](http://www.lycos.com)) or Excite ([www .excite.com](http://www.excite.com))
would be a good idea. HotBot ([www .hotbot.com](http://www.hotbot.com)) and Northern Light ([www .northernlight.com](http://www.northernlight.com))
are two more worth trying. For the best results type
specific words describing...

...that site developers hide in their pages. Search directories, like
Yahoo, group sites into complex **hierarchies** .

Each tool "thinks" differently. The **trick** is to find one that
thinks the same way you do. Try

Them all and see which ones...

...and see what you get. Need a crop report from the government? Visit the USDA Web site (www.usda.gov). Want to know how to keep moles out of your lawn? Start with the Extension service (www.reusda.gov). Many sites have search tools of their own, so once you get there you can search precisely for the information you need.

Hassle-free e-shopping

Online shopping doesn't have to be a venture into the unknown. Before you shop online, think about which companies have already earned your trust and seek them out.

Start with the familiar

Some of the best online shopping opportunities are with well-known mail order and "bricks and mortar" companies. Sears (www.sears.com), JC Whitney (www.jcwhitney.com) and Gempler's (www.gemplers.com) come to mind. E-shopping experiences at sites like these are similar to...

...and distribution systems to support orders. But, this doesn't mean there aren't trustworthy online-only retailers. Books and music upstart Amazon.com (www.amazon.com), arguably, has the e-commerce business figured out.

Be a wise consumer

At...

...your browser is secure. If a deal seems questionable, visit the Better Business Bureau at www.bbbonline.com. The organization shares online shopping tips and has a "reliability seal" program for dependable e-merchants.

If privacy is a concern, TRUSTe (www.truste.org) certifies sites that meet stringent privacy standards for the way they handle personal...

COMPANY NAMES: America Online Inc...

DESCRIPTORS: Internet ---...

...Web sites --

18/3,K/18 (Item 2 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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09884135 SUPPLIER NUMBER: 20012890 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Weaving the Web fantastic. (nine Web authoring software packages) (includes related articles on testing methodology, Best of Breed winners, and table of features) (Software Review) (Evaluation)
Santalesa, Rich
InternetWeek, n690, p73(12)
Nov 17, 1997
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext
; Abstract
WORD COUNT: 10011 LINE COUNT: 00787

Weaving the Web fantastic. (nine Web authoring software packages) (includes related articles on testing methodology, Best of Breed winners, and table of features) (Software Review) (Evaluation)

...ABSTRACT: 98 are the highest rated products in this review of nine Web authoring tools. Creating Web sites is much more complex than it was just over three years ago, requiring file, directory...

Today, managing a full-bore corporate Web site bears more than a passing resemblance to pulling off a moon launch-demanding companywide coordination...

...and technologies. In short, the sky's and bandwidth's the limit to what your Web site offers, but the entire ball of wax all still revolves around HTML.

The first HTML...

...HTML is still the preferred choice of many Web experts, developing and

maintaining an entire **site** this way is like building a house without power tools--an interesting experiment, but hardly...

...construction pays your bills.

The construction metaphor is particularly appropriate. As with any building, a **Web site** lacking a solid foundation quickly falls. But a **Web site**'s foundation is proper management of all its files, directories and links, and these seem...

...sized site. Following this logic, the flip side to making it easier to stamp out **Web pages** is a tool that can manage and restructure your changing site. Luckily, as HTML authoring...

...as a slew of new and complex Web technologies have burst onto the scene. Enhancing **Web sites** with pre-Dynamic HTML (DHTML), CSS, scripts and pre-Extensible Markup Language (XML) demand the...

...garnered a great deal of press, primarily because it holds the potential of halting the **World Wide Web Consortium's** endless efforts to catch up in codifying and approving HTML tags (be sure to check out our XML tutorial in an upcoming issue). After all, the **World Wide Web Consortium (W3C)** only managed to formalize HTML support for features already widely deployed such as...

...working to add existing XML definitions to their browsers. For more information on XML, visit www.w3.org/XML.

The Web Spins Larger

As Web authoring becomes increasingly complex and the **Internet** diffuses into **software**, programs from word processors to databases all now export to HTML. This means the ability...

...HTML and integrate HTML from other sources grows in importance.

Similarly, tools recognizing that modern **Web sites** are the work of many people across different departments also get a nod. To this...

...to humans.

With a few exceptions, this practice is gradually fading as sophisticated WYSIWYG **Web software** answers the call to merge graphical design with direct text-coding power. Most of these...

...text-based HTML editor's bit-level power is crucial and difficult to relinquish.

But **Web sites** don't live by HTML code alone. First, you have ... is asking for major trouble--whether you're managing a development team for an external **Web site** or managing users on an intranet. Don't think so? After your first "er, ahem..."

...page production while controlling access to that production guarantees a less frenetic life as a **Web site** manager. For departmental users, an easy-to-use, page-focused HTML authoring package is the...

...downloads, don't sell such access short when making a purchasing decision. This being the **Internet** age, every tool we tested is available as a free downloadable trial version. The best...

...indent HTML.

Simple or not, PageMill supports Java applets, plug-ins, .PDF files, QuickTime and **Web page** add-ons. The CD holds a bounty of utilities and information, including HTML tutorial information, Virtus 3-D **Website** Builder, O'Reilly's **WebSite 1.1** Web server, PhotoShop SE (which is actually PhotoShop 3.05), a large selection **Internet** for Windows 95" or "Java in a Nutshell," both published by O'Reilly and Associates...

...PageMill calls upon a floating, context-sensitive property Inspector palette to modify most page and **Web page** element settings. PageMill's Inspector isn't as comprehensive as CyberStudio's, but together with...

...the Web's HTML wunderkind, PageMill is still a good choice for anyone who creates **Web pages** on a periodic basis. The simple operation and

straightforward structure mean you won't waste...

...a keystroke away. Hit F2 and a thorough guide to HTML tags and other HTML **software** and resources pops up.

Despite an interface sporting more tabs, buttons, tool bars and panels

...

...overview of Projects, Snippets (which acts as a storage library) and HomeSite's very thorough **online** help system. You can move the Resource Tab to any side of HomeSite's window...image maps, raw HTML editing--the fundamentals are all here. But Home Page suffers from **software** schizophrenia, particularly on the Windows side. It's neither simplistic nor easy enough for rank...

...transparency. Home Page ultimately plumbs HTML's depths to accomplish virtually anything possible on a **Web page**, but arriving at a finished result is more awkward than it should be. Still, there...

...version 3.07.

GoLife CyberStudio 2.0.1

Who says there isn't any great **software** for the Mac anymore?

CyberStudio 2.0.1 is an awesome Web tool that spans...

...would expect from a full-digit upgrade. The latest CyberStudio now adds visual link checking, **Web site** administration, sitewide spell checking, WYSIWYG frames support, ActiveX support, WebObjects integration, improved table editing and...

...tabs to control a selected element's properties.

Floating palettes allows easy access to all **Web page** operations.

For instance, to position an element on a grid, you drag the element icon s top-down **Web site** approach, trusting to a Project metaphor instead. The Project's palette reveals page relationships in...

...extremely slick. Also nearly unique is CyberStudio's support for multiple-server environments, enabling your **Web site** to span servers.

CyberStudio is the Web tool that keeps on giving.

Every time you...

...reached the limits of its power, new options turn up. Use a Mac? Serious about **Web site** design? If you answered yes to both, you need CyberStudio.

Macromedia Dreamweaver 1.0

If...

...a text-editor afterburner. In fact, Dreamweaver will ship with full versions of Bare Bones **Software**'s BBEEdit on the Mac and Allaire's HomeSite 3.0 on Windows.

Another Dreamweaver...

...worthy of the United Nations brokering world peace. If you make a living working on **Web pages**, keep an eye on Dreamweaver.

Microsoft FrontPage 98

What a difference a version number makes...

...starters, several new views have been added to help turn the Explorer into a viable **Web site** tool. The seven views break down into the following: Folders, All Files, Navigation (new), Hyperlink...

...new) and Tasks (new). Together the views offer different ways to control and manage growing **Web sites**.

For instance, in the new Navigation view, you can define navigation hierarchies for use in...

...text, (including company header and footer information) on a page or sitewide basis. Mapping a **Web site**'s structure is now easier, too, since you can print out the graphic Navigation view. Don't like a navigation link? Made a mistake setting up your **Web site** directory

structure? Moving or completely deleting pages in the Navigation view is now child's stamp out **Web sites**, FrontPage adds several wizards and templates to handle customer support, corporate, personal and project **Web sites**. There is also a discussion group Web wizard that ties to FrontPage extensions running on...

...simple, but full-featured, message board. Thirty-eight individual page templates handle nearly every common **Web page**. For intranet efforts, Microsoft offers a free Office 60 Minute Intranet Kit for Office 97...
...useful, however, was the built-in spell checker, which can check and correct your entire **Web site** of potentially embarrassing misspellings.

Importing existing **Web sites** is a piece of cake. Enter a URL, select how many levels to scoop in...

...RTF, Works 3/4, Word 4/5 for Macintosh and HTML Files.

Not surprisingly, the **software** includes significant support for Microsoft's own **Internet Explorer 4.0** and that product's latest features--including Dynamic HTML font effects (unfortunately...

...room for improvement.

The bottom line is that FrontPage 98 is now a first-class **Web site** authoring system. It won't replace a professional on-staff Web designer any time soon...

...0, NetObjects has corrected several of 1.0's major annoyances--the inability to import **Web sites** springs immediately to mind--and improved 2.0's overall speed and features.

If you...

...version, called 2.0.2 which is available as a free download off of NetObjects' **Web site**. This update still manages to bring significant value to this product, including better support for...

...Web spinning greatly rewards up-front planning. It's certainly possible to piece together a **Web site**'s structure as you create pages in Fusion, and the ability to remap a siteToo many **Web sites** are developed in a scattershot fashion, creating problems down the road that a little planning would have avoided.

Fusion delivers its **Web site** legerdemain through four main views--Site, Page, Assets and Publish. At start-up you're...

...s likewise where your site's jump-started into life when you define pages, establish **hierarchies** and later manage the site's growth. The **deceptive** simplicity of the Site view belies Fusion's sophisticated underpinnings.

For example, you can apply one of the 50 bundled graphic styles, or your own created style, across an entire **Web site** from the Style view. And if you tire of one look you can select and...

...uses this style if you've set up a MasterBorder. MasterBorders are margin areas of **Web pages** holding "master" elements that can be navigational graphic buttons, text links, company copyright statements, contact...

...borders or through frames. If you've ever coded navigation bars by hand for a **Web site**, you've wished for this feature.

Creating page "place-holders" in the Site view is...

...view.

The PageDraw editor isn't just show, it works like most corporate-level DTP **software** packages, complete with text styles, and text and image boxes you draw on the page...

...between text boxes, which alone single-handedly banished X-acto knives from publishing.

Unlike DTP **software**, Fusion isn't all text and no media. You can add forms, ActiveX controls, Java...

...those that don't know HotSauce is a metacontent format proposed by Apple as an **Internet** standard and also backed by companies such as Netscape, Excite and XSoft. These companies hope it will be adopted and allow developers to create better **Internet** data access tools for publishing database and legacy data content.)

And after you've created...

...less about HTML coding and would rather concentrate on the look and feel of your **Web pages**, Fusion's the tool of choice.

SoftQuad HoTMetaL Pro 4.0

Firmly established as an...

...HTML authoring suite for several years now, SoftQuad's HoTMetaL Pro 4.0 was making **Web pages** before the **Internet** was cool. Though slowly losing market share to more innovative competition, SoftQuad is fighting back...The Editor now conforms to HTML 3.2 and can handle all Netscape 3 and **Internet Explorer** 3.0 extensions, as well as HTML 4.0 support to the extent provided...

...a site--a tree view, a file view and a cyberbolic view that maps complex **Web sites** in a unique and effective three-dimensional spheroid way.

Via the Site Maker component, Information...

...out the page-creation wizards to apply coordinated "Web Decor" graphics elements. The Site Maker **software** offers close to 90 page template layouts in four general categories--Intranet, Personal, Company and...

...SoftQuad has made some admirable additions.

There's a special visual dynamic keyboard and a **Web page** accessibility checker.

Befitting a tool of its breadth, HoTMetaL Pro doesn't disappoint when it...

...CSS Editor highlights a crucial truth about HoTMetaL Pro 4.0: The surfeit of options, **software** and features are nearly overwhelming at times, a strength or weakness depending on your viewpoint...

...Visual Cafe Java development environment, this is a capable tool for small- to-medium-sized **Web site** design that includes version control and project management features you'd expect from more expensive bar, select your current or any other **Web site** local directory, and all the directories, text, HTML and your varied graphics files appear in...

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...345 Park Ave.

San Jose, Calif. 95110-2704

408-536-6000

Fax: 408-537-6000

www.adobe.com

Requirements: Macintosh: 68040 or faster processor; 8 MB RAM; 10 MB hard drive...

...Santa Clara, Calif. 95052

Voice: 408-727-8227, 800-544-8554

Fax: 408-987-7333

www.claris.com

Requirements: Windows: 4 MB hard drive space; Windows 95 or Windows NT
3...

...Menlo Park, Calif. 94025
Voice: 800-554-6638; 650-463-1580
Fax: 650-463-1598
www.golive.com

Requirements: Power Macintosh; 8 MB RAM; 8 MB hard drive space; System
7...

...San Francisco, Calif. 94103
Voice: 800-288-4797, 415-252-2000
Fax: 415-626-0554
www.macromedia.com

Estimated street price: \$499, special introductory pricing of \$299
(street) until Feb. 28...

...1 Microsoft Way
Redmond, Wash. 98052-6399
Voice: 800-426-9400
Fax: 425-936-7329
www.microsoft.com/frontpage/

Requirements: 486 or faster processor; 36 MB hard drive space; Windows
95...

...2055 Woodside Rd.
Redwood City, Calif. 94025
Voice: 415-482-3200
Fax: 415-562-0298
www.netobjects.com

Requirements: 16 ...Corp.

1 Alewife Center
Cambridge, Mass. 02140
Voice: 617-671-2000
Fax: 617-671-2001
www.allaire.com

Requirements: 486/66 or faster; 16 MB RAM; 3.75 MB hard drive...

...Box 2025
Toronto, Ontario M4R 1K8
Canada
Voice: 416-544-9000
Fax: 416-544-0300
www.softquad.com

Requirements: 16 MB RAM; 30 MB hard drive space; Windows 95 or Windows
...

...95014
Voice: 408-253-9600, 541-334-6054, 800-441-7234
Fax: 541-984-8020
www.symantec.com

Requirements: 486/66MHz minimum, Windows 95 or Windows NT 4.0, 8 MB...

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DESCRIPTORS: **World Wide Web** --

PRODUCT/INDUSTRY NAMES: 7372682 (**Internet Server Software**)

TRADE NAMES: GoLive CyberStudio 2.0 (**Web authoring software**)--...

...Microsoft FrontPage 98 (**Web authoring software**)--...

...Dreamweaver (**Web authoring software**)--...

...Adobe PageMill 2.0 (**Web authoring software**)--...

...HomeSite 3.0 (**Web authoring software**)--...

...Claris Home Page 2.0 (**Web authoring software**)--...

...HotMetaL Pro 4.0 (**Web authoring software**)--...

...Visual Page (**Web authoring software**)--...

...NetObjects Fusion 2.02 (**Web site management software**)--

18/3,K/19 (Item 3 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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08284692 SUPPLIER NUMBER: 17719766 (USE FORMAT 7 OR 9 FOR FULL TEXT)

17-inch monitors: big screen test, take 10. (reviews of ten 17-inch monitors) (includes related articles on overall results, test methodology and monitor calibration) (**Hardware Review**) (**Evaluation**)

Welch, Jill; Orubeondo, Ana; Murdock, Michelle

InfoWorld, v17, n47, p74(9)

Nov 20, 1995

DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 9285 LINE COUNT: 00785

... documents simultaneously.

On top of it all, the promises of the not-too-distant future -- **World Wide Web** access from every desktop, broad availability of sophisticated multimedia desk-top business applications, the propagation of on-line newspapers -- will only increase your need for wide open spaces.

When it comes to providing...

...throw in a number of value-added bells and whistles as well, including

color-calibration **software** and display utilities for making adjustments via the mouse and keyboard. And, as environmental standards...

DeluxScan 17 Pro

Hyundai Electronics America
Milpitas, Calif.

(408) 232-8000 fax: (408) 232-8146

World Wide Web : <http://www.hea.com>

(Weighting) Performance

Setup and usability (200) Good 125.00 Like the Multiscan and...

...MXP17S MAG

InnoVision Co. Inc.
Santa Ana, Calif.

(714) 751-2008 fax: (714) 751-5522

World Wide Web : <http://www.maginnovision.com>

(Weighting) Performance

Setup and usability (200) Good 125.00 Unless you buy the...follow. We liked the step-by-step instructions and detailed diagrams of both hardware and **software**. Large illustrations are sized for readability and well labeled for better comprehension.

Support policies (100...

...FlexScan F2-17EX(*)

Nanao USA Corp.
Torrance, Calif.

(800) 800-5202 fax: (310) 530-1679

World Wide Web : <http://www.traveller.com/nanao/>

(Weighting) Performance

Setup and usability (200) Excellent 200.00 Its unique design...

...The FlexScan's feature set is complete, and the monitor is delivered with Colorific calibration **software** in the box. Advanced color control features, including RGB Gain and RGB Cut Off, are...

...well written and nicely laid out, and they include extremely detailed and helpful illustrations. The **software**'s quick-reference guide and context-sensitive help were, well, helpful.

Support policies (100) Excellent...

...m. to 5 p.m. (Eastern and Pacific time). Fax (a toll call), BBS, and **Internet** support over the **World Wide Web** are also available.

Technical support (75) Satisfactory 37.50 We had a lot of problems Dale, Ill.

(508) 264-8000

World Wide Web : <http://www.nec.com>

(Weighting) Performance

Setup and usability (200) Very Good 150.00 We found the...

...this could be more intuitively designed). The MultiSync also provides a range of helpful, additional **software** utilities -- including Resolution Manager (on Macs) for changing resolutions on the fly. Colorific is delivered...

...available via fax (toll-free) and BBS (a toll call), as well as via the **Internet** (E-mail, File Transfer Protocol, and the **World Wide Web**), CompuServe, and America **Online**.

Technical support (75) Good 46.87 NEC's technical support was difficult to reach; nonetheless...

...Nokia 447W

Nokia Display Products Inc.
Sausalito, Calif.

(415) 331-4244 fax: (415) 331-0424

Internet E-mail: bynokia@aol.com

(Weighting) Performance

Setup and usability (200) Good 125.00 The...

...to 6 p.m. Eastern time. Support for the Nokia is also available over

America Online .

Technical support (75) Good 46.87 We were satisfied with the results of our calls...

...Very Good 150.00 The SyncMaster's design is a happy marriage of hardware and **software** controls. It was easy to first select the feature sets we wanted to adjust (for...Multiscan 17se

Sony Electronics Inc.

San Jose, Calif.

(800) 352-7669 fax: (408) 955-5171

World Wide Web : [http://www .sel.sony.com](http://www.sel.sony.com)

(Weighting) Performance

Setup and usability (200) Good 125.00 The simplicity of...6.7

ViewSonic 17PS

ViewSonic Corp.

Walnut, Calif.

(909) 869-7976

fax: (909) 869-7958

World Wide Web : [http://www .viewsonic.com](http://www.viewsonic.com)

(Weighting) Performance

Setup and usability (200) Very Good 150.00 With only two simple control buttons and two arrows for navigation, the **ViewSonic** 's control panel is **deceptively** simple: The **hierarchical** on-screen menu it controls is inclusive. We did need to refer to the documentation...

...available weekdays from 7 a.m. to 6 p.m. Pacific time. Also available are **on-line** support via the **World Wide Web** and a troubleshooting guide accessible through a fax-back system.

Technical support (75) Excellent 75...baked-on antiglare treatment.

Look for thin film, because thick film can cause muddied images.

* **Software** /hardware display utilities: Additional **software** that allows you to control image quality via the mouse and keyboard.

* SuperErgo coating: Nanao...

...make repetitive stress injury not just for wrists anymore.

WEB PITFALLS

If you're designing **World Wide Web** pages on a 17-inch or larger monitor, Jack Roberts, an analyst for Dataquest Inc., reminds...

...consider format and size when creating and placing print ads, so should you design your **Web** pages with your customers' browsing capabilities (and limitations) in mind. The bottom line: make a dry...they also accommodate more spreadsheet columns, more drawing and designing workspace, and bigger views of **World Wide Web** pages than their 14- and 15-inch counterparts.

All the monitors we looked at provide an...

...Electronics America's SyncMaster 17 GLsi combines some of the best features of hardware and **software** control.

Nokia Display Products Inc.'s 447W has a broad range of adjustments, coupled with the capability (through an additional hardware/**software** utility) to make adjustments to the monitor settings via the keyboard and mouse. The final subjective visual judgment; others implement more sophisticated **software** or hardware-**software** combinations. Costs increase accordingly.

TURN ON, TUNE IN. The least expensive fixes are the monitor...

...is built right in to the operating system, in the form of ColorSync.

AUTOMATIC, SYSTEMATIC. Software -only calibration solutions have a fundamental problem: They depend on users' subjective perceptions of brightness...

07961092 SUPPLIER NUMBER: 17167958 (USE FORMAT 7 9 FOR FULL TEXT)

Check fraud: the challenge to stem soaring losses. (includes related article)

Bock, Charles J., Jr.
Bank Management, v71, n3, p60(6)
May 15, 1995

ISSN: 1049-1775 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3476 LINE COUNT: 00299

...ABSTRACT: closed accounts. The second step is to identify contributing factors. These may include desktop publishing **software**, organized crime, and availability of information from customers. The third task is the classification of...

... at \$815 million ILLUSTRATION FOR FIGURE 1 OMITTED|. Actual losses may well be in the **multibillion** -dollar **range**, experts say, because banks find it difficult to isolate **check** -related **fraud**.

Check use still grows rapidly, despite predictions to the contrary. An estimated 67 billion checks will...

...attributes the increase in check crime to such factors as:

* The proliferation of desktop publishing **software** which has made the creation of a counterfeit check easier and more affordable.

* The use...checks are used and then involved in a counterfeit attempt, the customer may be liable.

* **Software** products which flag suspicious checks based on deviations from established ranges of sequence numbers, dollar...

...AGENCY MANAGEMENT SERVICES, P.O. Box 30001, College Station, TX 77842, (800) 888-8553

ANTINORI **SOFTWARE** INC., 400 Colony Sq. #450, 1201 Peachtree St. NE, Atlanta, GA 30361, (404) 873-6740...65F Gate Five Rd., Sausalito, CA 94965, (800) 257-6963

SOCIAL SECURITY NUMBER VALIDATION, Security **Software** Solutions, P.O. Box 683, Burlington, VT 05402-0683, (802) 660-8933
SPEED DIAL, Bureau...

...261-5500

STANDARD REGISTER CO., 600 Albany St., Dayton, OH 45401, (513) 443-1000

STERLING **SOFTWARE**, Banking System Division, 15301 Dallas Pkwy., Dallas, TX 75248, (800) 222-6219

SUPERIOR ON -LINE DATA, P.O. Box 8787, Trenton, NJ 08650, (609) 396-4000

TELECHECK SERVICE INC., 2092...

18/3,K/21 (Item 1 from file: 635)
DIALOG(R) File 635:Business Dateline(R)
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0685293 96-42534

IA Corp. to announce new CheckVision products at BAI

Leger, Thierry

Business Wire (San Francisco, CA, US) p1

PUBL DATE: 960322

WORD COUNT: 397

DATELINE: Emeryville, CA, US, Pacific

TEXT:

...IA Corp., a leading developer of image-based cash management and high-end workflow management **software**, will announce at the upcoming Banking Administration Industry (BAI) trade show, new CheckVision and RemitVision features to put on -line banking and cash management functions at a customer's fingertips.

The new products tackle such important industry issues as **check fraud**, **multi** -tiered **check** archival and system scalability and

compatibility.

New CheckVision Features Create New Fee-based Services
CheckVision...

...image research and image enabled account reconciliation. CheckVision output can be on paper, CD or **online**. New features can create new fee-based services for banks and include:

CheckVision Archive-- provides...

...Processing) services with check images. A new fee-based service, it allows customers to go **online** and view reconciliation reports along with check images. CheckVision ARP also supplies monthly reports with...

...with check images

--CheckVision Research/Inquiry--allows PC-based inquiry and retrieval of images

CheckVision **software** can be used in conjunction with customers' current systems adding new features to existing check...

...Corp., headquartered in Emeryville, Calif., is a provider of high-end, high-performance enterprise application **software** products. Focusing currently on the dynamic, multi-billion dollar financial services and banking industry. IA...

...94608-1840. Telephone: 510/450-7000. Fax: 510/450-7099 Email: info@ia-us.com **Website** : http://www .ia-us.com.

DESCRIPTORS: **Software** industry...

18/3,K/22 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2001 The Gale group. All rts. reserv.

05080025 SUPPLIER NUMBER: 20305542 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The 7 Habits if Highly Effective Families: Building a Beautiful Family Culture in a Turbulent World. (book reviews)
Wolfe, Alan
The New Republic, v218, n8, p26(9)
Feb 23, 1998
DOCUMENT TYPE: Review ISSN: 0028-6583 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 7990 LINE COUNT: 00612

... Habits" organizers, which have proved popular as daily planners, are available in hand-held and **software** formats. All the company's books and magazines can be purchased through its **Web page**, as can such accessories as "7 Habits" page-finders. Rarely if ever in the history... being changed when proven short-sighted or ill-advised. Joseph Smith, the advocate of patently **illegal plural marriage**, viewed civil law with contempt, as if society were a vast conspiracy organized to prevent true... bureaucracy. You do not make a successful family by consulting books, tapes, guides, and a **Web page** to know what to do next. You make a successful family by taking the resources...

18/3,K/23 (Item 2 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)
(c) 2001 The Gale group. All rts. reserv.

04762052 SUPPLIER NUMBER: 19422101 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mapping the LCSH and MeSH systems. (Library of Congress Subject Headings and

Medical Subject Headings from the National Library of Medicine)

Olson, Tony; Strawn, Gary

Information Technology and Libraries, v16, n1, p5(15)

March, 1997

ISSN: 0730-9295

LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8560

LINE COUNT: 00782

ABSTRACT: A project to map LCSH and MeSH systems in the Northwestern University library **online** catalog and add the data to authority records is described. The project developed techniques that...

TEXT:

A number of problems arise when two or more subject systems reside in the same **online** catalog. One solution to this "multiple vocabulary problem" is to map the systems involved. Since...

...to other libraries and information centers. The data can be used to generate displays in **online** catalogs that link corresponding LCSH and MeSH headings, thus enhancing retrieval of relevant bibliographic citations.

The Multiple Vocabulary Problem

Many libraries have **online** public access catalogs that contain two or more subject systems. Some examples of thesauri that...

...A number of different methods have been proposed for dealing with multiple vocabularies in the **online** catalog. (1) The two most commonly used by library management systems (with some systems providing...

...of the materials on a given topic. The following examples (taken from the Northwestern University **online** catalog which includes LCSH, MeSH, and TLSSH) demonstrate the potential for incomplete retrieval from a...

...of the more serious problems that can arise from a universal subject search in an **online** catalog in which the LCSH and MeSH systems are mixed are given below.

1. Duplicate...

...b) add the mapping data to authority records; and (c) enhance the library management system **software** so that mapping data in authority records can be used to develop syndetic structures that...

...of the project has been to integrate multiple thesauri (specifically LCSH and MeSH) in an **online** catalog. Work on the project has continued up to the present time.

The project was divided into three parts.

1. Modifications to the library management system **software** that would solve the first two problems encountered in a mixed vocabulary index, i.e...as it existed on April 14, 1990, and the 1989 MeSH. The library management system **software** used in the project was NOTIS.

Data Collection

The first step of the LCSH/MeSH...a) The LCSH heading represents the fruit of the date plan. Making the MeSH reference **plural** eliminates the **false match**. (b) The LCSH heading represents a musical form. Adding a qualifier to the MeSH reference and bibliographic records in Northwestern's **online** NOTIS file, the MeSH Tree Structures, and several standard medical dictionaries. However, not all decisions...to narrower terms, or vice versa. Users now have explicit see also references in the **online** catalog directing them to broader or narrower MeSH terms.

The most obvious and important benefit of the mapping project is to use the results in an integrated LCSH/MeSH **online** catalog. Since the mapping data are now available in linking entry fields in MARC authority next step and make the necessary changes to library management system **software** so that these fields display in an **online** public access catalog. By displaying the mapping data, users will be led from a heading ...

...of the multiple vocabulary problem can be found in Carol A. Mandel, Multiple Thesauri in **Online** Library Bibliographic Systems (Washington,

D.C.: Cataloging Distribution Service, Library of Congress, 1987).
(2.) The...

...title is College Library Technology-Research and Demonstration Project-Integration of Multiple Thesauri in an Online Public Access Catalog.

(3.) The modifications were accomplished fairly quickly and easily. Suppression of duplicate...

...identical headings in the same bibliographic record is one of the capabilities of the NOTIS software (version 5.0 or higher) that was installed at Northwestern in 1992. Resolving conflicts between references and headings was a local Northwestern enhancement to the NOTIS software. The technique, which we call "dynamic conflict resolution," turns conflicting see under references into see...

...DESCRIPTORS: Online catalogs

18/3,K/24 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2001 CMP. All rts. reserv.

01145417 CMP ACCESSION NUMBER: INW19971117S0069
Weaving The Web Fantastic (Authoring Tools)
Rich Santalesa
INTERNETWEEK, 1997, n 690, PG73
PUBLICATION DATE: 971117
JOURNAL CODE: INW LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Reviews
WORD COUNT: 9362

Today, managing a full-bore corporate Web site bears more than a passing resemblance to pulling off a moon launch-demanding companywide coordination...

...and technologies. In short, the sky's and bandwidth's the limit to what your Web site offers, but the entire ball of wax all still revolves around HTML.

The first HTML...

...HTML is still the preferred choice of many Web experts, developing and maintaining an entire Web site this way is like building a house without power tools-an interesting experiment, but hardly...

...construction pays your bills.

The construction metaphor is particularly appropriate. As with any building, a Web site lacking a solid foundation quickly falls. But a Web site's foundation is proper management of all its files, directories and links, and these seem...

...sized site. Following this logic, the flip side to making it easier to stamp out Web pages is a tool that can manage and restructure your changing site. Luckily, as HTML authoring...

...as a slew of new and complex Web technologies have burst onto the scene. Enhancing Web sites with pre-Dynamic HTML (DHTML), CSS, scripts and pre-Extensible Markup Language (XML) demand the...

...garnered a great deal of press, primarily because it holds the potential of halting the World Wide Web Consortium's endless efforts to catch up in codifying and approving HTML tags (be sure to check out our XML tutorial in an upcoming issue). After all, the World Wide Web Consortium (W3C) only managed to formalize HTML support for features already widely deployed such as...

...working to add existing XML definitions to their browsers. For more information on XML, visit www.w3.org/XML.

The Web Spins Lamer

As Web authoring becomes increasingly complex and the **Internet** diffuses into **software**, programs from word processors to databases all now export to HTML. This means the ability...

...HTML and integrate HTML from other sources grows in importance.

Similarly, tools recognizing that modern **Web sites** are the work of many people across different departments also get a nod. To this...

...to humans.

With a few exceptions, this practice is gradually fading as sophisticated WYSIWYG **Web software** answers the call to merge graphical design with direct text-coding power. Most of these...

...text-based HTML editor's bit-level power is crucial and difficult to relinquish.

But **Web sites** don't live by HTML code alone. First, you have ... is asking for major trouble-whether you're managing a development team for an external **Web site** or managing users on an intranet. Don't think so? After your first "er, ahem..."

...page production while controlling access to that production guarantees a less frenetic life as a **Web site** manager. For departmental users, an easy-to-use, page-focused HTML authoring package is the...

...downloads, don't sell such access short when making a purchasing decision. This being the **Internet** age, every tool we tested is available as a free downloadable trial version. The best...

...indent HTML.

Simple or not, PageMill supports Java applets, plug-ins, .PDF files, QuickTime and **Web page** add-ons. The CD holds a bounty of utilities and information, including HTML tutorial information, Virtus 3-D **Website** Builder, O'Reilly's **WebSite** 1.1 Web server, PhotoShop SE (which is actually PhotoShop 3.05), a large selection **Whole Internet** for Windows 95" or "Java in a Nutshell," both published by O'Reilly and Associates...

...PageMill calls upon a floating, context-sensitive property Inspector palette to modify most page and **Web page** element settings. PageMill's Inspector isn't as comprehensive as CyberStudio's, but together with...

...the Web's HTML wunderkind, PageMill is still a good choice for anyone who creates **Web pages** on a periodic basis. The simple operation and straightforward structure mean you won't waste...

...a keystroke away. Hit F2 and a thorough guide to HTML tags and other HTML **software** and resources pops up.

Despite an interface sporting more tabs, buttons, tool bars and panels...

...overview of Projects, Snippets (which acts as a storage library) and HomeSite's very thorough **online** help system. You can move the Resource Tab to any side of HomeSite's window...image maps, raw HTML editing-the fundamentals are all here. But Home Page suffers from **software** schizophrenia, particularly on the Windows side. It's neither simplistic nor easy enough for rank...

...transparency. Home Page ultimately plumbs HTML's depths to accomplish virtually anything possible on a **Web page**, but arriving at a finished result is more awkward than it should be. Still, there...

...version 3.07.

GoLife CyberStudio 2.0.1

Who says there isn't any great **software** for the Mac anymore? CyberStudio 2.0.1 is an awesome Web tool that spans...

...would expect from a full-digit upgrade. The latest CyberStudio now adds visual link checking, **Web site** administration, sitewide spell checking, WYSIWYG frames support, ActiveX support, WebObjects integration,

improved table editing and

...tabs to control a selected element's properties.

Floating palettes allows easy access to all **Web page** operations. For instance, to position an element on a grid, you drag the element icon Fusion's top-down **Web site** approach, trusting to a Project metaphor instead. The Project's palette reveals page relationships in...

...extremely slick. Also nearly unique is CyberStudio's support for multiple-server environments, enabling your **Web site** to span servers. CyberStudio is the Web tool that keeps on giving.

Every time you...

...reached the limits of its power, new options turn up. Use a Mac? Serious about **Web site** design? If you answered yes to both, you need CyberStudio.

Macromedia Dreamweaver 1.0

If...

...a text-editor afterburner. In fact, Dreamweaver will ship with full versions of Bare Bones **Software**'s BEdit on the Mac and Allaire's HomeSite 3.0 on Windows.

Another Dreamweaver...

...worthy of the United Nations brokering world peace. If you make a living working on **Web pages**, keep an eye on Dreamweaver.

Microsoft FrontPage 98

What a difference a version number makes...

...starters, several new views have been added to help turn the Explorer into a viable **Web site** tool. The seven views break down into the following: Folders, All Files, Navigation (new), Hyperlink...

...new) and Tasks (new). Together the views offer different ways to control and manage growing **Web sites**.

For instance, in the new Navigation view, you can define navigation hierarchies for use in...

...text, (including company header and footer information) on a page or sitewide basis. Mapping a **Web site**'s structure is now easier, too, since you can print out the graphic Navigation view. Don't like a navigation link? Made a mistake setting up your **Web site** directory structure? Moving or completely deleting pages in the Navigation view is now child's quickly stamp out **Web sites**, FrontPage adds several wizards and templates to handle customer support, corporate, personal and project **Web sites**. There is also a discussion group Web wizard that ties to FrontPage extensions running on...

...simple, but full-featured, message board. Thirty-eight individual page templates handle nearly every common **Web page**. For intranet efforts, Microsoft offers a free Office 60 Minute Intranet Kit for Office 97...

...useful, however, was the built-in spell checker, which can check and correct your entire **Web site** of potentially embarrassing misspellings.

Importing existing **Web sites** is a piece of cake. Enter a URL, select how many levels to scoop in...

...RTF, Works 3/4, Word 4/5 for Macintosh and HTML Files.

Not surprisingly, the **software** includes significant support for Microsoft's own **Internet Explorer** 4.0 and that product's latest features-including Dynamic HTML font effects (unfortunately...

...room for improvement.

The bottom line is that FrontPage 98 is now a first-class **Web site** authoring system. It won't replace a professional on-staff Web designer any time soon...

...0, NetObjects has corrected several of 1.0's major annoyances-the

inability to import **Web sites** springs immediately to mind-and improved 2.0's overall speed and features.

If you...

...version, called 2.0.2 which is available as a free download off of NetObjects' **Web site**. This update still manages to bring significant value to this product, including better support for...

...Web spinning greatly rewards up-front planning. It's certainly possible to piece together a **Web site's** structure as you create pages in Fusion, and the ability to remap a site here.

Too many **Web sites** are developed in a scattershot fashion, creating problems down the road that a little planning would have avoided.

Fusion delivers its **Web site** legerdemain through four main views-Site, Page, Assets and Publish. At start-up you're...

...s likewise where your site's jump-started into life when you define pages, establish **hierarchies** and later manage the site's growth. The **deceptive** simplicity of the Site view belies Fusion's sophisticated underpinnings.

For example, you can apply one of the 50 bundled graphic styles, or your own created style, across an entire **Web site** from the Style view. And if you tire of one look you can select and...

...uses this style if you've set up a MasterBorder. MasterBorders are margin areas of **Web pages** holding "master" elements that can be navigational graphic buttons, text links, company copyright statements, contact...

...borders or through frames. If you've ever coded navigation bars by hand for a **Web site**, you've wished for this feature.

Creating page "place-holders" in the Site view is...

...view.

The PageDraw editor isn't just show, it works like most corporate-level DTP **software** packages, complete with text styles, and text and image boxes you draw on the page...

...between text boxes, which alone single-handedly banished X-acto knives from publishing.

Unlike DTP **software**, Fusion isn't all text and no media. You can add forms, ActiveX controls, Java...

...those that don't know, HotSauce is a metacontent format proposed by Apple as an **Internet** standard and also backed by companies such as Netscape, Excite and XSoft. These companies hope it will be adopted and allow developers to create better **Internet** data access tools for publishing database and legacy data content.)

And after you've created...

...less about HTML coding and would rather concentrate on the look and feel of your **Web pages**, Fusion's the tool of choice.

SoftQuad HotMetal Pro 4.0

Firmly established as an...

...HTML authoring suite for several years now, SoftQuad's HotMetal Pro 4.0 was making **Web pages** before the **Internet** was cool. Though slowly losing market share to more innovative competition, SoftQuad is fighting back...The Editor now conforms to HTML 3.2 and can handle all Netscape 3 and **Internet Explorer** 3.0 extensions, as well as HTML 4.0 support to the extent provided...

...a site-a tree view, a file view and a cyberbolic view that maps complex **Web sites** in a unique and effective three-dimensional spheroid way.

Via the Site Maker component, Information...

...out the page-creation wizards to apply coordinated "Web Decor"

graphics elements. The Site Maker software offers close to 90 page template layouts in four general categories-Intranet, Personal, Company and...

...SoftQuad has made some admirable additions.

There's a special visual dynamic keyboard and a Web page accessibility checker.

Befitting a tool of its breadth, HotMetaL Pro doesn't disappoint when it...

...CSS Editor highlights a crucial truth about HotMetaL Pro 4.0: The surfeit of options, software and features are nearly overwhelming at times, a strength or weakness depending on your viewpoint...

...Visual Cafe Java development environment, this is a capable tool for small- to-medium-sized Web site design that includes version control and project management features you'd expect from more expensive tool bar, select your current or any other Web site local directory, and all the directories, text, HTML and your varied graphics files appear in ...

...source-editing window and a built-in preview mode. Visual Page can display a single Web page simultaneously in all three modes, each appearing in a different window. The HTML source-editing...

...that rival similar solutions coming out of Redmond.

Many HTML editors balk when importing complicated Web pages. Not Visual Page. During testing we scooped down pages packed with Java, JavaScript, multiple tables...

...Visual Page current, Symantec's now familiar LiveUpdate feature can automatically download and install any software updates-a feature that much of the competition would do well to incorporate. Visual Page...

...345 Park Ave.

San Jose, Calif. 95110-2704

408-536-6000

Fax: 408-537-6000

www.adobe.com

Requirements: Macintosh: 68040 or faster processor; 8 MB RAM; 10 MB hard drive...

...Santa Clara, Calif. 95052

Voice: 408-727-8227, 800-544-8554

Fax: 408-987-7333

www.claris.com

Requirements: Windows: 4 MB hard drive space; Windows 95 or Windows NT 3...

...Menlo Park, Calif. 94025

Voice: 800-554-6638; 650-463-1580

Fax: 650-463-1598

www.golive.com

Requirements: Power Macintosh; 8 MB RAM; 8 MB hard drive space; System 7...

...San Francisco, Calif. 94103

Voice: 800-288-4797, 415-252-2000

Fax: 415-626-0554

www.macromedia.com

Estimated street price: \$499, special introductory pricing of \$299 (street) until Feb. 28...

...1 Microsoft Way

Redmond, Wash. 98052-6399

Voice: 800-426-9400

Fax: 425-936-7329

www.microsoft.com/frontpage/

Requirements: 486 or faster processor; 36 MB hard drive space;
Windows 95...

...2055 Woodside Rd.
Redwood City, Calif. 94025
Voice: 415-482-3200
Fax: 415-562-0298
[www .netobjects.com](http://www.netobjects.com)
Requirements: ...Corp.
1 Alewife Center
Cambridge, Mass. 02140
Voice: 617-671-2000
Fax: 617-671-2001
[www .allaire.com](http://www.allaire.com)
Requirements: 486/66 or faster; 16 MB RAM; 3.75 MB hard drive...

...Box 2025
Toronto, Ontario M4R 1K8
Canada
Voice: 416-544-9000
Fax: 416-544-0300
[www .softquad.com](http://www.softquad.com)
Requirements: 16 MB RAM; 30 MB hard drive space; Windows 95 or
Windows...

...95014
Voice: 408-253-9600, 541-334-6054, 800-441-7234
Fax: 541-984-8020
[www .symantec.com](http://www.symantec.com)
Requirements: 486/66MHz minimum, Windows 95 or Windows NT 4.0, 8 MB
...

...and good luck - unless you define some careful ground rules, that is.
To put the **software** through their paces, we took a three-pronged
approach, testing whether programs were suitable for complex Web
authoring, simple page creation and offered any site management tools.
Software designed to make page creation as easy as possible should
sport features such as wizards...

...new site authoring, we used each package to generate a small company
site of 25 **Web pages** broken into four areas: marketing, human
resources, products and news.
Graphically, the site was populated...

...0, Word 6/95, Excel and Lotus 1-2-3 files.

In gauging professional-level **software** geared for complex site
design, you'll need **software** that supports a wide range of current Web
media, scripting, Netscape and Microsoft tags, extendability...

...and DHTML abilities scored higher, as did packages with integrated
graphics tools.

To test each **software** package's prowess at existing site
modifications, we downloaded three **Web sites**: a personal **Web site**
of simple pages, InternetWeek's **Web site** to three levels; and a Web
design firm's site, which was heavily weighted with...

...In addition, we used a W3C HTML test page to gauge how each of the
software handled all of HTML 3.2's tags.

Also, the quality of HTML output was reviewed with Windows versions
of MS **Internet Explorer** versions 3.2 and 4.0, Netscape Navigator 3.02
and Communicator 4.03...

...Honors

And the winner is....Power, poise and performance are the three p's
of **software** testing.

And when it comes down it, GoLife's CyberStudio and Microsoft
FrontPage 98 displayed...

COMPANY NAMES (DIALOG GENERATED): Adobe Systems ; AimTech ; Alewife Center

; Allaire Corp ; AlSoft ; Apache ; ASCII ; Bare Bones Software ; Claris Corp ; Corel ; CERN ; Document List ; Excite ; GoLive Systems ; HoTMetal ; Intranet ; Java Virtual Machine ; Macromedia...

...Mill ; Pages ; Personal ; Star Team Project Maintenance ; Symantec Corp ; Townsend ; Visual Cafe ; Web ; WebTV ; WordPerfect ; World Wide Web Consortium ; W3C ; XSoft ; ZSoft

WEST

Search Results -

Terms	Documents
(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$) and (gross same fraud\$)	1

Database:
 US Patents Full-Text Database ▲
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins ▼

(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$) and (gross same fraud\$)

Search History

Today's Date: 7/9/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
USPT,JPAB,EPAB,DWPI,TDBD	(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$) and (gross same fraud\$)	1	<u>L3</u>
USPT,JPAB,EPAB,DWPI,TDBD	(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) with truth)) and (fraud\$ with scor\$) and (gross with fraud\$)	0	<u>L2</u>
USPT	((705/26 1705/27)!.CCLS.)	647	<u>L1</u>

DS

Set	Items	Description
S1	85	(PURCHAS? (W) ORDER?) AND (FRAUD? OR ((CONCEAL? OR MISREPR- ENT? OR DECEPTION?) (S) TRUTH)) AND (FRAUD? (S) (SCOR? OR GRO- SS?))
S2	47	RD (unique items)
S3	4	S2 AND PD<=19981019
S4	4	S2 AND PD<=981019
S5	4	RD (unique items)
?		

s (purchas? (w) order?) and (fraud? or ((conceal? or misrepresent? or deception?) (s

Your SELECT statement is:

S (PURCHAS? (W) ORDER?) AND (FRAUD? OR ((CONCEAL? OR MISREPRESENT? OR DECEPTION?) (S) TRUTH)) AND (FRAUD? (S) (SCOR? OR GROSS?))

Items	File
1	9: Business & Industry(R)_Jul/1994-2001/Jul 05
5	13: BAMP_2001/Jul W1
6	15: ABI/Inform(R)_1971-2001/Jul 07
11	16: Gale Group PROMT(R)_1990-2001/Jul 06
2	20: World Reporter_1997-2001/Jul 09
1	47: Gale Group Magazine DB(TM)_1959-2001/Jul 06
1	146: Washington Post Online_1983-2001/Jul 05
12	148: Gale Group Trade & Industry DB_1976-2001/Jul 06
Examined 50 files	
9	180: Federal Register_1985-2001/Jul 04
1	194: CBD_1982/Dec-2001/Mar
1	261: UPI_News_1999-2001/Jul 09
Examined 100 files	
1	484: Periodical Abs Plustext_1986-2001/Jun W4
2	485: Accounting & Tax DB_1971-2001/Jul W1
Examined 150 files	
1	553: Wilson Bus. Abs. FullText_1982-2001/May
1	570: Gale Group MARS(R)_1984-2001/Jul 06
Examined 200 files	
1	610: Business Wire_1999-2001/Jul 09
5	621: Gale Group New Prod. Annou. (R)_1985-2001/Jul 06
3	635: Business Dateline(R)_1985-2001/Jul 07
1	638: Newsday/New York Newsday_1987-2001/Jul 07
Examined 250 files	
2	647: CMP Computer Fulltext_1988-2001/Jul W1
7	649: Gale Group Newswire ASAP(TM)_2001/Jul 02
3	660: Federal News Service_1991-2001/Jun 05
1	704: (Portland)The Oregonian_1989-2001/Jul 05
1	707: The Seattle Times_1989-2001/Jul 08
Examined 300 files	
3	774: EdgarPlus(TM)-Prospectuses_2001/Jul 03
6	775: EdgarPlus(TM)-Reg. Statements_2001/Jul 03
76	790: Tax Notes Today_1986-2001/Jul 09
100	791: State Tax Today_1991-2001/Jul 09
5	792: Worldwide Tax Daily_1987-2001/Jul 09
1	793: Court Filings_1994-2000/Jan W4
Examined 350 files	
1	810: Business Wire_1986-1999/Feb 28
7	813: PR Newswire_1987-1999/Apr 30

32 files have one or more items; file list includes 360 files.

?

show files

File 9:Business & Industry(R) Jul/1994-2001/Jul 05
(c) 2001 Resp. DB Svcs.

File 13:BAMP 2001/Jul W1
(c) 2001 Resp. DB Svcs.

File 15:ABI/Inform(R) 1971-2001/Jul 07
(c) 2001 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2001/Jul 06
(c) 2001 The Gale Group

File 20:World Reporter 1997-2001/Jul 09
(c) 2001 The Dialog Corporation

File 47:Gale Group Magazine DB(TM) 1959-2001/Jul 06
(c) 2001 The Gale group

File 146:Washington Post Online 1983-2001/Jul 05
(c) 2001 Washington Post

File 148:Gale Group Trade & Industry DB 1976-2001/Jul 06
(c)2001 The Gale Group

File 180:Federal Register 1985-2001/Jul 04
(c) 2001 format only The DIALOG Corp

File 194:CBD 1982/Dec-2001/Mar
(c) format only 2001 The Dialog Corporation

File 261:UPI News 1999-2001/Jul 09
(c) 2001 United Press International

File 484:Periodical Abs Plustext 1986-2001/Jun W4
(c) 2001 ProQuest

File 553:Wilson Bus. Abs. FullText 1982-2001/May
(c) 2001 The HW Wilson Co

File 570:Gale Group MARS(R) 1984-2001/Jul 06
(c) 2001 The Gale Group

File 610:Business Wire 1999-2001/Jul 09
(c) 2001 Business Wire.

File 621:Gale Group New Prod.Annou.(R) 1985-2001/Jul 06
(c) 2001 The Gale Group

File 635:Business Dateline(R) 1985-2001/Jul 07
(c) 2001 ProQuest Info&Learning

File 638:Newsday/New York Newsday 1987-2001/Jul 07
(c) 2001 Newsday Inc.

File 647:CMP Computer Fulltext 1988-2001/Jul W1
(c) 2001 CMP

File 649:Gale Group Newswire ASAP(TM) 2001/Jul 02
(c) 2001 The Gale Group

File 660:Federal News Service 1991-2001/Jun 05
(c) 2001 Federal News Service

File 704:(Portland)The Oregonian 1989-2001/Jul 05
(c) 2001 The Oregonian

File 707:The Seattle Times 1989-2001/Jul 08
(c) 2001 Seattle Times

File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc

?

DS

Set	Items	Description
S1	85	(PURCHAS? (W) ORDER?) AND (FRAUD? OR ((CONCEAL? OR MISREPR- ENT? OR DECEPTION?) (S) TRUTH)) AND (FRAUD? (S) (SCOR? OR GRO- SS?))
S2	47	RD (unique items)
S3	4	S2 AND PD<=19981019
?		

t s2/3,k/1-4

2/3,K/1 (Item 1 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2001 Resp. DB Svcs. All rts. reserv.

02618086 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Online Shopping: How Will Consumers Pay?

(Online electronic wallet schemes enter test market phases; electronic wallets potentially offer ease of use for online consumers, who would not be required to reenter information multiple times)

Financial Service ONLINE, v 4, n 9, p 38+

October 1999

DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3957

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...shopped via catalogues or over the phone for years. Consumers typed their names, shipment addresses, purchase orders and credit card numbers into a computer and hoped they got the goods without any...

...Partners	Technology	
American Express	NA	Smart Cards
Cybercash	First USA	Electronic Wallet
CyberSource	Visa	Internet Fraud
		Screen
Intell-A-Check	netgrocer.com	Electronic Check
Qpass	Royal Bank, MBNA	Electronic Wallet

Providian...transferred automatically onto the merchant's order form. The customer then simply types in the purchase order, clicks on which card is being used for payment and clicks on which of the...

...of acceptance by merchants, a selling point of electronic wallets is that they can reduce fraud risk slightly for consumers. Most electronic wallets are designed to detect if a merchant site...of credit cards online. While most experts agreed that SET would reduce online credit card fraud, many believed that it was too complicated and would require too much investment from card...

...accept online payments displayed certificates as of early September. "We really haven't seen much fraud with or without the certificate," says Rossi. "But customers still often wonder whether a particular..."

...plug into their home computers for use of the card. Beyond digital certificates, online shopping fraud is still a concern, although not always in the same way financial executives had initially...

...bankers feared hackers would grab card numbers off the Web and use them to make fraudulent transactions.

While that has happened, experts say there are bigger problems relating to high levels...

...is lying, often the cost associated with handling the claims is high.

"Merchants need better fraud management solutions," says Qpass' Willis. "They need better tools to decide what the likelihood is that an incoming transaction is fraudulent."

That is exactly what is behind a product announced late this summer by Visa and San Jose, Calif.-based CyberSource Corp. The Internet fraud reduction screen, which will be jointly released this fall, compares an online transaction against 150 different factors to calculate the degree of fraud risk. The merchant then is given a score that predicts the likelihood of fraud and the merchant then can choose to accept or reject the transaction based on that score. The screening takes about five seconds. CyberSource had first developed a version of this screen...

...This year, it joined forces with Visa to incorporate Visa's experience with credit card fraud into the analysis software.

While James Degracia, senior vice president of electronic commerce for Visa, says online credit card fraud is still small, less than one tenth of 1% (10 basis points), it is still slightly higher than credit card fraud in the physical world--about 8 basis points. He points out, however, that certain types of online merchants have much more fraud than others. Companies that allow software to be downloaded immediately or those that send out same-day shipments have higher levels of fraud than those that send out physical goods several days later. Also, those that sell products that can be easily resold--such as lap top computers--have higher fraud levels, Degracia says.

Easy Targets

Vital's Embry also notes that merchants going online need to be more sophisticated about fraud and so do banks that service those merchants.

"There are a lot of new merchants...

...or online business and don't know how to work with their merchants to reduce fraud. "There is often a habit or pattern to excessive chargebacks that experienced banks and merchants...have a history of writing bad checks and that there have been no reports of fraud associated with the account. If the check still turns out to be bad, the merchant...

2/3,K/2 (Item 1 from file: 13)

DIALOG(R) File 13:BAMP

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01196154 02753364 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Purchasing's Front Line Must Stop Phony Vendor Buying Scams

(Purchasing professionals must be more vigilant in reviewing popular office supply purchasing scams, such as the "toner-phoner ploy," and alerting business units on how to guard against them)

Supplier Selection & Management Report, n 02-01, p 11-13

February 2001

DOCUMENT TYPE: Newsletter ISSN: 1046-3771 (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2108

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...target, purchasing professionals need to step in and give individual line managers guidelines for preventing fraud.

Begin by making sure that each business unit and department in your organization is aware...

...online/edcams/supplies.

Most Popular Business Purchasing Scams and How to Prevent Them

Phony Invoices

Fraud : Bogus invoices are sent to an "authorized" buyer. How it works:

Scam operators use various...

...may ask for the name of the person in charge of your Yellow Pages advertising. Fraudsters then ship unordered merchandise and the phony invoice arrives a week or so after. This...

...less obvious if the invoice arrives after the merchandise has been received and stocked. (2) Fraudulent suppliers hope you will use the merchandise in the interim, and feel obligated to pay...

...the unordered merchandise if you've used it. The most common items used in this fraud are copier paper, toner, and other popular office supplies.

Defense:

* Don't pay for unordered...

...paying special attention to brands and quantity, and refusing merchandise that doesn't match the purchase order.

Matching Invoices

Fraud : Fraudulent sellers time a phony invoice to match your purchase of legitimate services from another vendor...

...that they were the correct brands.

* For each order, the designated employee should issue a purchase order --electronic or written--to the supplier with an authorized signature and a purchase order number.

* Use order forms that instruct the supplier to note the purchase order number on the invoice and bill of lading. The buyer should send a copy of every purchase order to your accounts payable department. Keep blank order forms secure.

Yellow Pages

Fraud : Callers try to get companies to pay for listings in bogus phone directories. How it...

...a legitimate publisher, they should list you in their online directory for free.

Call Misrepresentation

Fraud : Callers try to get companies to believe that merchandise is free. How it works: A...

...and that a sale is final or non-refundable before you pay.

The Gift Horse

Fraud : Callers try to create mistrust within an organization to get it to pay for unordered followed by an invoice with the employee's name. The fraudulent seller hopes that when the organization questions the employee, that the employee will be nervous...

...orders. If you want to offer or sell us something, you must speak to"

Reloading

Fraud : Vendors target organizations that have paid for un-ordered goods or services in the past...

...or attack you with a new scheme.

Defense:

* Educate everyone in your company about business frauds and how to protect the company. For assistance with material that can be used to help train employees, contact the National Fraud Information Center (www.fraud.org), the Federal Trade Commission (www.ftc.gov), and the Business Technology Association (www.bta...

...Business Bureau (www.bbb.org) and your state or local consumer protection office.

Invoice Manipulation

Fraud : Vendors try to get companies who resist paying for unorderad or mistakenly ordered merchandise to pay. How it works: Fraudulent sellers may try one of three tactics: (1) Bullying: The seller argues with you and ...

...a lower price to make up for the confusion. But since goods and services are grossly overpriced in scares, almost anything the seller gets is at a profit. (3) Charging for...

...quantity, size, or quality, you may treat the substitutions as unordered merchandise.

Temporary Web Offers

Fraud : Vendors try to get companies to continue to pay for services they have cancelled. How...

...unless there is a legitimate reason to do so as part of a transaction.

Fax Fraud

Fraud : Fraudsters try to get a company to send product information via fax overseas. How it works...

...long-distance charges, your long-distance company may agree to make an adjustment.

Advertising Materials

Fraud : Fraudsters try to get companies to pay for advertising products that they don't distribute. How...been produced and distributed according to the contract.

(Sources: The Federal Trade Commission, the National Fraud Information Center, and others) ...

...CONCEPT TERMS: Fraud ;

2/3,K/3 (Item 2 from file: 13)

DIALOG(R)File 13:BAMP

(c) 2001 Resp. DB Svcs. All rts. reserv.

01177045

02556769 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Traditional Office Supply Scams Are Alive and Thriving

(To protect their companies from office supply scams, security directors need to make sure that each business unit is aware of the safeguards and procedures they should implement and alert employees to any new scams)

Security Director's Report, n 00-09, p 5-7;10

September 2000

DOCUMENT TYPE: Newsletter ISSN: 1521-916X (United States)

LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2477

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...directors need to step in and give individual business managers best-practice guidelines for preventing fraud .

First, make sure that each business unit in your organization is aware of the popular...

...online/edcams/supplies).

Most Popular Business Scams and How to Prevent Them

Phony Invoice Scams

Fraud : Bogus invoices are sent to an "authorized" buyer. How it works: Scam operators use various...

...may ask for the name of the person in charge of your Yellow Pages advertising. Fraudsters then ship unordered merchandise and the phony invoice arrives a week or so after. This...

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...that they were the correct brands.

* For each order, the designated employee should issue a purchase order -electronic or written-to the supplier with an authorized signature and a purchase order number.

* Use order forms that instruct the supplier to note the purchase order number on the invoice and bill of lading. The buyer should send a copy of every purchase order to your accounts payable department. Keep blank order forms secure.

The Pretender Scam

Fraud: Callers...

...supplier to verify the story.

* Buy from people you know and trust.

Yellow Pages Scam

Fraud : Callers try to get companies to pay for listings in bogus telephone directories. How it...legitimate publisher, they should list you in their online directory for free.

High-Pressure Sales

Fraud : Callers try to rush purchases to avoid getting into details about price, quantity, and so...

...authorized purchasers until they are comfortable saying "no" to high-pressure sales tactics.

Call Misrepresentation

Fraud : Callers try to get companies to believe that merchandise is free. How It works: A...

...that a sale is final or non-refundable before you pay.

The Gift Horse Scam

Fraud : Callers try to create mistrust within an organization to get it to pay for unordered...

...company receives overpriced unordered merchandise, followed by an invoice with the employee's name. The fraudulent seller hopes that when the organization questions the employee, the employee will be nervous about ...

...orders, if you want to offer to sell us something, you must speak to...."

Reloading

Fraud : Vendors target organizations that have paid for unordered goods or services in the past. How...

...or attack you with a new scheme.

Defense:

* Educate everyone in your company about business frauds and how to protect the company. For assistance and material that can be used to help train employees, contact the National Fraud Information Center (www.fraud.org), the Federal Trade Commission (www.ftc.gov), and the Business Technology Association (www.bta...

...Business Bureau (www.bbb.org) and your state or local consumer protection office.

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...quantity, size, or quality, you may treat the substitutions as unordered merchandise.

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...unless there is a legitimate reason to do so as part of a transaction.

Fax Fraud

Fraud : Fraudsters try to get a company to send product information. ... agree to make an adjustment, at least the first time it happens.

Advertising Materials Scams

Fraud : Fraudsters try to get companies to pay for advertising products that they don't distribute. How...

...been produced and distributed according to the contract.
(Sources: The Federal Trade Commission, The National Fraud Information Center, and others) ...

CONCEPT TERMS: Fraud ;

2/3,K/4 (Item 3 from file: 13)

DIALOG(R) File 13:BAMP

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01129045 02041550 (USE FORMAT 7 OR 9 FOR FULLTEXT)

The E-Commerce Boom

(Among the hidden complexities of coping with marketing on the Internet are the need for end-to-end, 24 hour/day site monitoring; 24 hour/day real-time credit card processing; and fraud prevention)

Article Author(s): Fraser, Robert E

Response, v 8, n 9, p 30-40

June 1999

DOCUMENT TYPE: Journal ISSN: 1077-5439 (United States)

LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 4245

(USE FORMAT 7 OR 9 FOR FULLTEXT)

...(end, 24 hour/day site monitoring; 24 hour/day real-time credit card processing; and fraud prevention)

TEXT:

...Gateway and Dell, were charged stiff federal fines for violating export control regulations.

* Failure in fraud control: Many online retailers are experiencing 15 percent to 40 percent fraud rates, which translates directly into bottom-line losses. Scores of merchants have lost charging privileges or been slapped with stiff fines by Visa and...credit card processing firm recently failed every credit card with a year 2000 expiration date.

Fraud prevention and chargeback management

An astounding statement from Visa International: "Internet transactions generate 50 percent of credit card disputes and fraud transactions. This is despite the fact that just 2 percent of the credit card company...

...business comes from Internet trade."

Translation: Internet transactions are 50 times more likely to be fraudulent when compared to traditional transactions. Those of us who have been involved with Internet commerce...

...commerce and those who talk about it by whether or not they mention credit card fraud .

While media attention has focused on the risk of using credit cards on the Internet...

...Emerging Technology at Visa International Asia-Pacific argued that "consumers worry too much about online fraud ," while merchants "do not

worry enough." One prominent merchant experienced fraud rates of more than 40 percent from buyers using stolen or fraudulent credit card numbers. Software.net, one of the first Internet stores, has stated that more than 50 percent of the orders processed were fraudulent when the store first opened. One of the most popular stores on the Internet is currently experiencing 15 percent fraud. NetSales, who processes orders for more than 1,000 vendors, has estimated that more than 20 percent of the orders attempted at its hosted commerce sites are fraudulent.

Many merchants face a high number of chargebacks, which occur when a consumer disputes fraudulent charges on his credit card statement. The merchant bears 100 percent of the risk of credit card fraud. When a consumer challenges the validity of a credit card charge, the merchant must produce...

...accounts with higher chargeback rates.

Merchants therefore face two perils. First, loss of revenue from fraudulent purchases. Many items yield low margins for the merchant, making losses painful. For example, if...controlled, the merchant faces loss of merchant privileges, which often means losing the business.

Both fraudulent purchases and chargebacks can be reduced or prevented with state of the art fraud screen technology.

Export control

Export control compliance requires constant vigilance.

Failure to comply can cost...

...be able to accept orders by phone and fax, payment by check, wire transfer and purchase order payments. Credit card security fears still prevent some consumers from buying over the Web.

International...such as:

- * commerce site development and hosting
- * real-time order processing.
- * secure sales.
- * transaction processing.
- * fraud screen.
- * customer service.
- * export control compliance.
- * tax calculation.
- * warehouse integration.
- * order fulfillment.
- * real-time reporting...
- ?

WEST

Search Results -

Terms	Documents
(purchas\$ same order\$)and (fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$)	0

Database:
 US Patents Full-Text Database ▲
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins ▼

(purchas\$ same order\$)and (fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$

Search History

Today's Date: 7/9/2001

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
JPAB,EPAB,DWPI,TDBD	(purchas\$ same order\$)and (fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$)	0	<u>L5</u>
JPAB,EPAB,DWPI,TDBD	(purchas\$ with order\$)and (fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$)	0	<u>L4</u>
USPT,JPAB,EPAB,DWPI,TDBD	(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$) and (gross same fraud\$)	1	<u>L3</u>
USPT,JPAB,EPAB,DWPI,TDBD	(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) with truth)) and (fraud\$ with scor\$) and (gross with fraud\$)	0	<u>L2</u>
USPT	((705/26 1705/27)!.CCLS.)	647	<u>L1</u>

WEST

Generate Collection

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 5958689 A

L3: Entry 1 of 1

File: USPT

Sep 28, 1999

US-PAT-NO: 5958689

DOCUMENT-IDENTIFIER: US 5958689 A

TITLE: Detection of toxigenic marine diatoms of the genus Pseudo-nitzschia

Full	Title	CIT.1	REV.1	CLS.1	REF.1	DRAW.1
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Generate Collection

Terms	Documents
(fraud\$ or ((conceal\$ or misrepresent\$ or deception\$) same truth)) and (fraud\$ same scor\$) and (gross same fraud\$)	1

Display

10

Documents, starting with Document:

1

Display Format:

TI

Change Format

WEST

End of Result Set

 Generate Collection

L3: Entry 1 of 1

File: USPT

Sep 28, 1999

US-PAT-NO: 5958689

DOCUMENT-IDENTIFIER: US 5958689 A

TITLE: Detection of toxigenic marine diatoms of the genus Pseudo-nitzschia

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Scholin; Christopher A.	Monterey	CA	N/A	N/A
Cangelosi; Gerard A.	Seattle	WA	N/A	N/A
Haydock; Paul V.	Seattle	WA	N/A	N/A

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE	CODE
Monterey Bay Aquarium Research Institute	Moss Landing	CA	N/A	N/A	02	

APPL-NO: 8/ 861096

DATE FILED: May 21, 1997

PARENT-CASE:

This application claims benefit of Provisional Application Ser. No. 60/018,143, filed May 22, 1996.

INT-CL: [6] C12Q 1/68, C07H 21/02, C07H 21/04, C12N 15/00

US-CL-ISSUED: 435/6; 536/23.1, 536/24.3, 935/76, 935/77, 935/78

US-CL-CURRENT: 435/6; 536/23.1, 536/24.3

FIELD-OF-SEARCH: 435/6, 536/23.1, 536/24.3, 935/76, 935/77, 935/78

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected		Search ALL	
PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5212059	May 1993	Schwartz et al.	435/6
<input type="checkbox"/> 5582983	December 1996	Anderson et al.	435/6
<input type="checkbox"/> 5595874	January 1997	Hogan et al.	N/A
<input type="checkbox"/> 5707802	January 1998	Sandhu et al.	435/6
<input type="checkbox"/> 5712095	January 1998	Britschgi et al.	435/6

OTHER PUBLICATIONS

Sommer et al., Nucleic Acids Research 17(6):6749 (1989).
 Rijk et al., Nucleic Acids Research 22(17):3495-3501 (1994).
 Baroin et al., PNAS 85:3474-3478 (1988).

Steffan et al., Annual Review of Microbiology 45:137-154.
Douglas, Donald J. et al., Natural Toxins 2:166-174 (1994).
Scholin, C.A., et al., Natural Toxins 2:152-165 (1994).

ART-UNIT: 164

PRIMARY-EXAMINER: Jones; W. Gary

ASSISTANT-EXAMINER: Whisenant; Ethan

ATTY-AGENT-FIRM: Townsend and Townsend and Crew LLP

ABSTRACT:

The present invention provides compositions, methods, and kits for detecting species of *Pseudo-nitzschia* from a marine sample. Oligonucleotide probes for rRNA hypervariable regions of the *Pseudo-nitzschia* species: *P. australis*, *P. pungens*, *P. multiseriata*, *P. pseudodelicatissima*, *P. heimii*, *P. fraudulenta*, *P. delicatissima*, and *P. americana* are provided as well as a oligonucleotide probe for a conserved region of ribosomal RNA from *Pseudo-nitzschia*.

23 Claims, 0 Drawing figures



Day : Monday
Date: 7/ 9/2001
Time: 08:35:12

Inventor Name Search Result

Your Search was:

Last Name = ALVIN

First Name = ROBERT S.

Serial#	Patent#	Status	Date Filed	Title	Inventor Name
09343547	Not Issued	30	06/30/1999	DYNAMIC SELECTION OF MULTIPLE DISTRIBUTORS	ALVIN , ROBERT S.
09343550	Not Issued	30	06/30/1999	MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS	ALVIN , ROBERT S.
09345383	Not Issued	30	06/30/1999	INTERNET BUSINESS TRANSACTION PROCESSOR	ALVIN , ROBERT S.
60104829	Not Issued	159	10/19/1998	DYNAMIC SELECTION OF DISTRIBUTORS FOR AN IMPROVED TRANSACTION	ALVIN , ROBERT S.
60104830	Not Issued	159	10/19/1998	INTERNET BUSINESS TRANSACTION PROCESSOR	ALVIN , ROBERT S.
60104831	Not Issued	159	10/19/1998	MULTILEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK	ALVIN , ROBERT S.

Inventor Search Completed: No more records to search.

	Last Name	First Name
Search Another: Inventor	<input type="text" value="ALVIN"/>	<input type="text" value="ROBERT S."/>
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06/30/99
jc408 U.S. PTO

Attorney Docket No. HSI-006
Date: June 30, 1999

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jc518 U.S. PTO
09/343550
06/30/99

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Robert S. ALVIN

For: MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET
BUSINESS TRANSACTION PROCESSOR

Enclosed are:

- Specification and Claim(s).
- Oath or Declaration (executed).
- 5 sheet(s) of drawings.
- An assignment of the invention to HardwareStreet.com, Inc.
- Copy of _____ priority application(s).
- Associate Power of Attorney.

The fee has been calculated as shown below:

CLAIMS AS FILED				
FOR	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$380/\$760
TOTAL CLAIMS	9-20	0	X \$ 9 \$18	0
INDEP. CLAIMS	4-3	1	X \$39 \$78	39.00
Fee for Multiple Dependent Claims \$130/\$260				0
			TOTAL FILING FEE	\$419.00

09343550-063099

**VERIFIED STATEMENT BY A NON-INVENTOR SUPPORTING
A CLAIM BY ANOTHER FOR SMALL ENTITY STATUS**

Docket Number (Optional)

HSI-006

Applicant or Patentee: Robert S. ALVIN

Serial or Patent No.: Not Yet Assigned

Filed or Issued: Herewith

Title: MULTILEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK

I hereby declare that I am making this verified statement to support a claim by Robert S. ALVIN for small entity status for purposes of paying reduced fees to the United States Patent and Trademark Office, regarding the invention described in:

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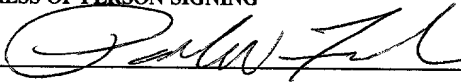
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ADDRESS OF PERSON SIGNING



SIGNATURE

June 25, 1999

DATE

TITLE OF THE INVENTION**Multi-Level Fraud Check With Dynamic Feedback for
Internet Business Transaction Processor**5 FIELD OF INVENTION

The present invention relates to business transactions conducted over the Internet and in particular to a transaction processor to conducting the same.

10 BACKGROUND OF THE INVENTION

Traditionally, commodities such as computer related products, for example, have been sold primarily through retail stores and catalogs and, more recently, through telephone sales supported by infomercials and other print and media advertising. However these traditional models for selling
15 computer related products suffer significant disadvantages.

Store-based retailers have limited shelf space due to costly inventory and real estate investment considerations. This limits the number of products store-based retailers can
20 offer to their customers. Also, the personnel required to operate stores are expensive and can be difficult to hire and train. The physical store's need for personnel also limits the flexibility and efficiency of the sales process. The number of customers that can be served and the quality of service is

dependent on the number of personnel dedicated to the sales process.

Store-based retailers also face the financial risk of carrying inventory that may quickly become obsolete. Physical possession of inventory also limits the speed at which these retailers can change their merchandise mix and offer new products. This is because a store must physically obtain, set up and display the products. Physical stores also can only serve customers in a limited geographic area because the customers must travel to the store to shop. To extend this limited reach, new stores must be opened in different geographic locations. However, the time required and the significant investments in inventory, real estate and personnel required at each new location, make it difficult to expand quickly into new geographic regions.

Catalog-based (e.g., mail-order) retailing provides only a partial solution to the disadvantages of store-based retailing. Catalogs do provide customers with the convenience of shopping from home or the office at flexible times.

However, catalog merchandising is costly and wasteful because paper, printing, and postage are increasingly expensive and a large percentage of people to whom catalogs are sent will not use them. Also, the number of products catalogs can feature

and the product information they can provide are limited due to catalog mailing, printing and other related expenses.

Catalogs are also very inflexible and provide only limited accessibility. In order to change products or prices, 5 the catalog must be reprinted and redistributed which is both costly and time consuming. Furthermore, catalogs' accessibility is limited in that they are available only to those people to whom they are sent. Also, the catalog shopping experience is, in general, neither interactive nor 10 personalized, yet requires extensive personnel support and manual intervention on behalf of the retailer to take and process orders.

The more recent advent of the combination of infomercials and other advertising supporting telephone sales also provides 15 only a partial solution. The ability to order by phone provides the same inconvenience that the catalog does. However, infomercial and other advertising is extremely expensive. They are also limited in their geographic scope. Typical media outlets serve only a relatively small geographic 20 area. To expand the geographic scope of advertising, additional media outlets in different locations must be used. This greatly increases expenses. Advertising is also limited in duration. Expense increases drastically upon extending the term of the advertising.

The advertisements and infomercials that describe the products are also limited in the scope of products they can cover. The expense limits the size of print advertising and the duration of radio and television advertising. These
5 limitations restrict the number of products that can be covered. They also restrict the amount of information that can be provided for the products.

Recently, the Internet has emerged as a powerful new global communications and commerce medium that represents a
10 radical new way for people to share information and conduct business electronically. Though the Internet has been well known for several years, it has been mainly used for research and as an educational medium. Hence people were initially slow to adopt it as a common means of conducting retail commerce.
15 However, with technology advancing such that personal computers are now an affordable commodity for the average household, more and more personal computers are being acquired for home usage. In conjunction with increased computer awareness and usage, affordability and ease of accessibility
20 to the Internet from an average household has given birth to a new type of commercial medium referred to as Electronic Commerce (i.e., E-Commerce).

The increasing functionality, accessibility and overall usage of the Internet have made it an attractive commercial

medium that can offer solutions to many of the shortcomings of the traditional retail models. For instance, the Internet has radically changed the relationship between customers. Online retailers can, from a single remote computer, interact
5 directly and simultaneously with customers across the globe.

The Internet also eliminates the traditional retail models' limited availability and barriers to expansion. On the Internet, a store is accessible throughout the world around the clock. The limitations associated with printed catalogs
10 are eliminated as well. There is no incremental cost associated with making Internet content available to people who will not use it. Internet also provides easy adaptability to changing market conditions and allowing an interactive, customizable retail experience.

15 Online retailers can respond more rapidly to customer demand by frequently modifying their product offerings, shopping interfaces and pricing, simply by modifying their Web site. Additionally, the Internet improves on the limited amount of information that can be conveyed in the catalog and
20 advertising/telephone sales models of retail sales. Web sites are inexpensive relative to the number of potential customers they reach, allowing much more information can be provided on a Web site than in any advertisement.

However, even with the advantages that is associated with the usage of the Internet as a commercial medium, there are still drawbacks in the currently existing E-Commerce retail businesses. In particular, most E-Commerce retail businesses
5 mainly use the Internet and Web pages as an advertising medium to replace the previous catalog/infomercial type advertisements. Although some of the businesses have begun accepting product orders online via email or Web pages, the current E-Commerce businesses for the most part have adopted a
10 hybrid business model in which the traditional business models are coupled with E-Commerce business practices.

For instance, the usage of the Internet has replaced a few of the traditional business practices such as advertising and order processing, but most of the so-called E-Commerce
15 retail businesses of the prior art still operate by maintaining an inventory. That is to say, the current online businesses still maintain inventories in warehouses that store the merchandise to be sold. As described above, the costs associated with such business practices are high, especially
20 in the computer related products market where their relatively short life cycle and the rapid adoption of new technologies and products make the traditional inventory store and catalog sales models particularly problematic. If the computer products are not sold in a relatively short period of time,

the unsold merchandise will become obsolete due to the fast pace in which technology is evolving.

Furthermore, some of the prior art E-Commerce systems are prone to unnecessary down-time due to dependence of out-

5 sourced services resulting in loss of sales during the down-time period. In particular, the primary use of credit cards as the preferred method of payment over the Internet has made checking for credit card fraud a necessity. To that end, almost all E-Commerce businesses are connected to a financial
10 service center for processing fraud checks. However, if the connection to the service center is down for any reason, process of sales is halted until a fraud check can be performed. Additionally, most E-Commerce businesses rely exclusively on the results of the commercially available fraud
15 check institutions. If the criteria set by the fraud check institution are too high, then sales that would otherwise have been profitable are lost.

SUMMARY OF THE INVENTION

20 It is the object of the present invention to meet the above-identified needs and others. Specifically, the present invention provides an Internet based E-Commerce business transaction processor that overcome the disadvantages of the prior art systems by creating a virtual store front having

"other people's warehouse" approach to avoid maintaining physical stores and operating warehouses while maintaining such practices transparent to the customer.

5 The business transaction processor of the present invention has a modular design comprising a plurality of distributed transaction processing systems, allowing the processing load to be distributed among multiple parallel servers thereby providing faster processing of transactions while providing expandability for future growth.

10 The business transaction processor of the present invention interacts with multiple distributors thereby providing a larger selection of products with higher availability with aggressively competitive pricing all the while maintaining gross company margins.

15 The business transaction processor of the present invention utilizes multi-level fraud checking system that incorporates propriety as well as commercially available fraud checking system thereby providing a higher level of risk management while providing a fraud check system that is not
20 exclusively dependent on commercially available services.

The business transaction processor of the present invention is fully automated including automatic generation of an electronic catalog, competitive pricing engine based on

flexible rule-based algorithms, and automatic feedback to the customer.

Additional objects, advantages and novel features of the invention will be set forth in the description which follows
5 or may be learned by those skilled in the art through reading these materials or practicing the invention. The objects and advantages of the invention may be achieved through the means recited in the attached claims.

10 BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying drawings illustrate the present invention and are a part of the specification. Together with the following description, the drawings demonstrate and explain the principles of the present invention.

15 Figure 1 is a block diagram showing the overall system of the present invention.

Figure 2 is a state diagram of the order processing of the present invention.

20 Figure 3 is a flow diagram showing the fraud processing according to the present invention.

Figure 4 is a logic block diagram for performing the multilevel fraud processing according to the present invention.

Figure 5 is a flow diagram showing the distributor selection processing according to the present invention.

DETAILED DESCRIPTION OF THE INVENTION

5 Using the drawings, the preferred embodiments of the present invention will now be explained. As shown in Figure 1, the Internet business transaction processor 10 of the present invention has a distributed processing design allowing the processing load to be distributed among multiple parallel
10 servers. The Internet business transaction processor according to the present invention is comprised of an Online Shopping System 20, Order Processing System 30, Payment Processing System 40, Catalog Builder/Price Modeler 50, and Administration System 60. The transaction processor 10 of the
15 present invention also includes a main database 70 comprised of a Customer Database 710, Products Database 720, Fraud Database 730, and Order Database 740.

According to the present invention, a customer accesses the Online Shopping System 20 via a public Web server 110 to
20 obtain product information available for purchases, set up a customer account, check order status, etc. The Order Processing System 30 receives the product order requests and processes the orders to check for availability with multiple distributors, orders the products based on pricing

information, performs credit card validations, etc. The Payment Processing System 40 processes the method of payment once the orders have been properly processed. The Catalog Builder/Price Modeler 50 builds information of the products offered by the distributors to be made available by the Online Shopping System 20 to the customer as well as the prices at which these products will be offered based on a pricing model to be described in detail below. Customer service representatives and managers have access to all of the information in the database via the Administration System 60 through a dedicated secure Web server 120 available only to authorized personnel. The Administration System 60 is used to produce reports of sales, reconcile order discrepancies, manually adjust prices, approve credit, etc. Functionality of each of the sub-systems will now be explained in detail.

Online Shopping System

The Online Shopping System 20 is the main interface between the customer and the E-Commerce business and is primarily responsible for providing the overall online shopping experience to the customer. The Online Shopping System 20 of the present invention provides an electronic catalog of available products stored in the Products Database 720 along with the price of the product. This information is

generated by the Catalog Builder/Price Modeler 50 to be described in detail below.

The electronic catalog is a Web page, for example, that dynamically displays product information from the Products Database 720. Consequently, the electronic catalog is always up to date with the most recent product information and does not suffer from the same shortcomings as that of the prior art cataloging systems. Furthermore, because each product is displayed as a dynamic variable, a new catalog does not have to be generated every time the Product Database 70 is updated. Only the updated product information will be changed in the catalog.

In conjunction with the electronic catalog, the Online Shopping System 20 provides an electronic shopping cart that keeps record of each item marked to be purchased by the customer and provides a finalized shopping list and the total amount purchased at the end of a shopping session which may include appropriate taxes and shipping/handling charges.

The Online Shopping System 20 is also used to create customer accounts with such information as customer name, billing address, telephone number, email address, etc. and this information is stored in the Customer Database 710. Such information is used by the transaction processor 10 for billing, order notification, promotional/incentive

distribution, etc. A customer may also access the Online Shopping System 20 to track the status of previous orders and returned merchandise, send inquiries to Customer Service, etc. Furthermore, customer accounts can be used to generate
5 customized portfolios based on purchase patterns of individuals to provide targeted advertising, purchase incentives such as electronic coupons and rebates, specialized promotions and competitive pricing of high demand products.

10 Catalog Builder/Price Modeler

As described generally above, the Catalog Builder/Price Modeler 50 builds the Products Database 720 with available products from the distributors as well as the sales price for each product. With regard to the catalog generation, the
15 Catalog Builder/Price Modeler 50 receives product information from multiple distributors. The product information includes but are not limited to product description, quantity available, and price for the product.

Access to the product information from the distributors
20 may be accomplished by Telnet, FTP (File Transfer Protocol), industry standard EDI (Electronic Data Interchange), or any other appropriate communication protocol including specialized client/server software provided used by the distributors.

Downloading of the product information from the distributors is scheduled to run automatically by the Catalog Builder/Price Modeler 50 so that no human interaction is necessary unless it is desired to do so. The product information is preferably updated continually throughout the day as updated product information becomes available from the distributors or based on other preselected triggers. For example, all the distributor data may be updated during certain times of the day. Data for some selected distributors may be updated hourly while product data of others may be updated every time the web page is viewed for that product or after the product is ordered. As the communications technology becomes more advanced, it may be possible to maintain a continuous connection to the distributors' network thereby obtaining real-time status of each product offered by the distributor.

For other suppliers of products that may not have such communication capabilities or does not make economic sense to provide such continuous update of product information, an alternative system may be provided for updating/accessing product information. For instance, small distributors or individual vendors may operate through a secure web site to update their product information, receive order information from the transaction processor of the present invention, and

provide shipping/tracking information of their products from their companies.

Once the product information from each of the distributors is collected, the Catalog Builder/Price Modeler 50 sorts the product information to generate the electronic catalog. The Catalog Builder/Price Modeler 50 of the present invention generates multiple catalogs from the same system and allows the Online Shopping System 20 to dynamically display user specific interfaces. The Catalog Builder/Price Modeler 50 generates catalogs with different visual presentations (e.g., color, fonts, graphics, advertising, etc.) and product offerings depending on the user accessing the Online Shopping System 20 based on the user-specific information via criteria-specific templates.

For example, when a student accesses the Online Shopping System 20 of the present invention as a potential customer, the Online Shopping System 20 displays a catalog of mixed products appropriate for students with academic pricing. Alternatively, a business person who accesses the Online Shopping System 20 of the present invention may see a catalog of products appropriate for his or her business with available corporate discounts for that product. This way, a single system is maintained that looks and functions like many different catalog shopping systems.

The pricing model used by the Catalog Builder/Price Modeler 50 of the present invention is an intelligent rule-based algorithm such as an AI (i.e., Artificial Intelligence) program generates a competitive price for a product based on price of the product offered from the distributors, any specials that are being promoted for the product, and cost/profit margins from the sale of the product to the customer. Simply stated, the price of the product is a function of the profit margin. Default margins are set in the rule-based programming of the pricing model, but due to its adaptability the Catalog Builder/Price Modeler 50 may automatically adjust the margins based on the rules of the pricing model and the pricing information obtained from the distributors. Further, the rules of the pricing model and setting of margins may be manually modified using the Administration System 60 to be explained in detail below.

The Catalog Builder/Price Modeler 50 of the present invention uses a plurality of margins to determine the sales price of a product depending on which category the product is in. For instance, the margin for the products in the first category may be set to 10% + cost since this is a category of products that the customer would most likely buy even though the price may be a little bit high. On the other hand, the margin for the products in the second category may be set to

2.5% + cost in order to provide a competitive price for high demand products. Further, the margin for the products in the third category may be set to 0% + cost due to promotionals of discontinued products, for example.

5 The Catalog Builder/Price Modeler 50 may be used to obtain initial sale prices of the products to be listed in the electronic catalog. Furthermore, the Catalog Builder/Price Modeler 50 may also adjust the pricing dynamically based on other system data that may change throughout the day. For
10 example, the price may be adjusted based on the amount of web site traffic, sales for a particular vendor, category, or SKU, and even the time of day. Subsequently, the Catalog Builder/Price Modeler 50 may be used in conjunction with the Order Processing System 30 to be described in detail
15 hereinafter to select a distributor to fill the order for a selected product using real-time data at the time of purchase. In this way, prices of the products in the electronic catalog can be dynamically changed based on the current market for these products.

20

Order Processing System

The Order Processing System 30 of the present invention processes the orders passed from the Online Shopping System 20. The Order Processing System 30 of the present invention

is comprised of four basic sub-systems: Fraud Detection 310, Credit Card Services 320, Distributor Selection 330, and Customer Service 340. The overall functionality of the Order Processing System 30 is described hereinafter.

5 When an order for a selected product is received, the Order Processing System 30 first determines whether the order is a valid order by the Fraud Detection sub-system 310. If the order is valid, then the order is sent to the Distributor Selection sub-system 330 to determine firstly if the product
10 ordered is available and secondly from which distributor the product will be supplied. Once a distributor is chosen the order is fulfilled with the distributor. After confirmation of product shipment, the order is sent to the Payment Processing System 40 via the Credit Card Services sub-system
15 320 to charge the customer's credit card for the purchase. The Customer Service sub-system 340 monitors each of the ordering processes and can intervene anywhere in the process if warranted.

Moreover, the Order Processing System 30 of the present
20 invention is driven as a state machine 300. As such, a purchase order during processing enters predetermined states as shown in Figure 2. Interrupt switch 302 is operable to interrupt state machine 300 to facilitate selective tracking of an order during processing to determine the status of any

purchase order during processing. The intervention of the state machine 300 also allows the ability to force an order into a particular state or manually set certain flags by hand. As such, the state machine 300 of the present invention allows enhancements to the state diagram for manageable changes to the Order Processing System 30. Additions or deletions of new states, arcs, and conditions change the paths an order takes through the order processing operation. As will be hereinafter more fully explained, a purchase order during processing under control of state machine 300 can only come to rest at a predetermined number of processing stations or states (e.g., H, M, N, O, X, etc.) as shown in Figure 2.

Each block represents a state in which a purchase order being processed by the Order Processing System 30 can occupy. According to the present invention, a purchase order being processed by the Order Processing System 30 must move from one state to the other except in the states indicated in bold, e.g., states (H), (M), (N), (O), (X), and (W). These are the only states according to the present invention in which a purchase order can be at rest at a final destination. All other states are transient and the order will eventually move to the next state, or eventually flagged with an error condition which triggers an alarm to customer service indicating an abnormality in the order processing. For

example, an order that has been placed for a product in stock but never shows up as being shipped (i.e., stuck in the "in-stock" state) times out after a predetermined time period and is flagged as an error. With the Order Processing System 30 of the present invention functioning as a state machine as described above, a purchase order can only be in predetermined states at any given time thereby facilitating ease of tracking of the status of an order.

A detailed description of each of the sub-systems is provided hereinafter.

Multi-Level Fraud Detection

The Fraud Detection sub-system 310 of the present invention is a multi-level fraud checking system used to determine if an order is a valid order. As shown in Figure 1, when an order is passed from the Online Shopping System 20, the Order Processing System 30 receives the order information such as credit card information, billing address, shipping address, quantity of selected products, sales prices of the products, etc. This order information is initially passed through the Fraud Detection sub-system 310.

As shown in Figure 4, the logic blocks of the Fraud Detection sub-system 310 includes a data integrity checker 312, a rule-based gross fraud comparator 314, a credit

authorization/fraud score generator 316, and rule-based fraud score comparator 318. The interaction of these logic blocks will be explained with reference to the flow diagram as shown in Figure 3.

5 Once the order data is input into the Fraud Detection sub-system 310, the data integrity checker 312 initially performs a data integrity check on the order information for completeness such as billing address information, shipping address information, and method of payment. For example,
10 credit card information is checked to verify that the credit card is not yet expired for credit card purchases. If the data integrity check fails on the order, the customer is notified of the incomplete portions of the order for correction. Once the order passes the data integrity check,
15 the order then proceeds to the gross fraud comparator 314.

Gross fraud check involves searching the Fraud Database 730 internal to the transaction processor 10 of the present invention for history of bad credit by the customer submitting the order. The gross fraud check of the present invention
20 acts as an initial filter for rejecting obvious fraudulent orders such as orders from "black-listed" customers in the Fraud Database 730 with previous histories of bad credit, orders from counties other than the United States under economic crisis, etc. If an order fails the gross fraud

check, the order is passed to Customer Service 340 and the customer is immediately notified of the reasons why the order cannot be processed. If, on the other hand, the order passes the gross fraud check, the order is then checked for credit card authorization from a financial institution, such as a commercially available fraud check service and AVS (Address Verification Service).

Based on the information received from the financial institution, a fraud level score, for example, is generated by the credit authorization/fraud score generator 316. The fraud level score is a grading system that indicates the level of risk the order will pose to the business by processing the order. The score is then compared with several predetermined thresholds by the rule-based fraud score comparator 318 and takes different actions based on the comparison to these multiple thresholds. If the score is below the minimal threshold, the order is sent for further processing. If the score is above the maximum threshold, the order is sent into sorting bin 319. The intermediate thresholds allow the order to pass through various intermediate steps while triggering flags for each failed threshold comparison. This allows the failed order to be characterized by several types of failures given a total overall score. The sorting bin 319 of the present invention acts as a buffer to minimize discarded

orders. According to the present invention, a dynamic sorting procedure is performed on the rejected orders stored in the sorting bin 319.

The failed orders in the sorting bin 319 are analyzed for reasons why the fraud level score was so high. Failed orders are analyzed for previous purchases by the customer, whether the customer is an account holder, etc. and sorted between high risk and low risk orders. For instance, orders from repeat customers who otherwise have a good history of previous purchases, for example, are low risk orders even though the fraud score is high and orders from customers who have no previous purchase history pose a high risk on defaulting on payments. Subsequently, the sorted orders are either sent to Customer Service 340 to be altered and resubmitted for validation or stored in a list of bad names in the Fraud Database 730 to be used in the gross fraud check of subsequent orders.

Alternatively, if there are generally a high number of failed orders in the sorting bin preventing sales of products, the fraud scores are analyzed and either the rules for generating the fraud score is altered or the thresholds are dynamically modified to reduce the number of orders being rejected. Furthermore, the comparator parameters in the data integrity checker 312 and gross fraud comparator may also be

modified based on the results of the rejected orders to
optimize order validations. By incorporating multi-level
fraud checking system in the manner of the present invention,
orders that would otherwise be lost can be recovered thereby
5 increasing business transactions.

Distributor Selection

Once an order has been checked for fraud and passes as a
valid order, the products in the order are checked by the
10 Distributor Selection sub-system 330 to determine which
distributor will be used to fill the order. The selection of
a distributor may be determined by several different methods.

Preferably, as shown in Figure 5, when an order is
received by the Distributor Selection sub-system 330, the
15 product information such as the product SKU (i.e., Stock-
Keeping Unit) number and quantity is determined from the order
and sent to the data input 331. This information is then sent
to each of the distributors and the distributors are polled
for availability, quantity available by the distributor, and
20 the current price for the product, for example. The
information received from each of the distributors are then
used by the distribution selection logic 332 to determine
which distributor will fill the order. When more than one
distributor can fill the order, the product information from

each of the available distributors is processed by the distribution logic 332 based on the rule-based algorithm to determine which distributor will be able to best fill the order.

5 For example, the rules for selecting a distributor may be set to select the distributor providing the product with the maximum profit margin or within a range of margins.

Alternatively, the rules may also take into consideration the type of shipping available from the distributor. For

10 instance, if one distributor provides the product with the maximum profit margin but only has ground shipping available that may take weeks for delivery but another distributor provides next-day delivery with a lesser profit margin and the customer indicated speedy delivery, then the second

15 distributor is selected since the first distributor, although providing the maximum profit margin, cannot fulfill the speedy delivery indicated by the customer. In other situations, the Distributor Selection sub-system 330 may be forced to select a particular distributor for a certain product regardless of

20 other factors because of special relations with that particular distributor.

Alternatively, if the connection between some or all of the distributors cannot be established during an ordering processes, the product information stored in the Product

Database 720 may be used instead of delaying the processing of the orders. As explained above, the products information is updated preferably three times during a business day.

Therefore, although the data in the Product Database 720 is not as accurate as real-time data, the information is generally recent enough to fill the order.

Once a distributor selection is made, the Distribution Selection sub-system 330 forwards the order electronically to the selected distributor to fill the order. The Distributor Selection sub-system 330 then receives verification from the distributor such as customer number, warehouse information, shipment date, invoice amount, shipping cost, tracking number, etc. and stores the order information in the Order Database 740 to make it immediately available to the customer service and the customer's online account.

Credit Card Services

Credit Card Services sub-system 320 receives the orders forwarded to the distributor by the Distributor Selection sub-system 330 and forwards the total cost of the order to the Payment Processing System 40 to be charged to the customer's credit card. Alternatively, if a product has been returned, the Credit Card Services sub-system 320 processes the RMA (i.e., Returned Merchandise Authorization) and sends the

request to the Payment Processing System 40 to refund the amount to the customer.

Customer Service

5 Customer Service sub-system 340 provides a feedback interface between the E-Commerce business using the transaction processor 10 of the present invention with the customers. Customer Service sub-system 340 allows the customer service representatives to access any part of the order processing being performed by the Order Processing System. Customer Service 340 provides the interface into the Order Processing System 30 by handling failed orders, sorted orders from failed orders, customer inquires to order/RMA status, and other customer service issues.

15 In particular, Customer Service sub-system 340 provides automated feedback to the customer. For instance, once an order has been properly processed, the Customer Service sub-system 340 will send an automated message to the customer with the order information such as customer number, shipment number, tracking number, etc. In cases where orders have failed during the processing period, Customer Service sub-system 340 automatically generates notices to the customer and/or customer service relaying that the order has failed and provides further instructions on how to correct the problem.

Additionally, Customer Service sub-system 340 may be programmed to send customers in the Customer Database 710 periodic newsletters, promotional offers, exclusive sales, coupons and incentive, etc. Moreover, this periodic feedback to the customer can be highly personalized based on the information stored in the Customer Database 710 such as the customer's buying patterns.

Payment Processing System

10 The Payment Processing System 40 receives order/RMA information from the Order Processing System 30 in conjunction with the payment method information. For credit card orders, the Payment Processing System 40 contacts the financial institution issuing the credit card and charge the account holder for purchases or credit the account for processed RMAs. 15 For non-credit card orders, the Payment Processing System 40 may issue bills, receive CODs (i.e., cash-on-delivery) and checks, issue refunds, process wire-transfers, etc. Moreover, the present invention may also take advantage of online leases 20 and loans, a relatively new service in the area of e-commerce.

With respect to the online loans, once a customer is finished shopping with the Online Shopping System 20 of the present invention, the customer applies electronically to a financial institution for a loan. When the loan has been

approved, the financial institution sends a loan number and the loan balance limit to the Order Processing System 30. The Payment Processor 40 then proceeds to use the loan number as a credit card number and finishes the transaction by drawing on
5 the approved loan from the financial institution.

With regard to the online lease, once a customer is finished shopping, the customer applies for a lease from a financial institution. When the application is approved, the financial institution sends a lease number to the Order
10 Processing System 30. The Payment Processor 40 then proceeds to use the lease number as a credit card number and finishes the transaction drawing on the approved balance from the leasing institution. The purchase is then shipped directly to the customer, but as with all leases, the leasing institution
15 owns the products.

Example of Ordering Online

The transaction processor 10 of the present invention will be described with specific embodiments to more clearly
20 describe the functionality of the present invention. However, equivalent components and obvious modifications within the ability of one with ordinary skill in the art may be used without departing from the scope of the present invention.

The transaction processor 10 of the present invention is built on industry standard equipment including Sun UltraSparc servers, Solaris operating system, Apache Web servers, and Oracle databases. Preferably, each of the systems and sub-
 5 systems are installed on a dedicated server running in parallel in a distributed processing architecture.

A customer accesses the Online Shopping System 20 via the company's Web page through a public Web server 110, such as the customer's ISP (i.e., Internet Service Provider). Once on
 10 the company's Web page, the customer is issued a unique identification number using various techniques such as using the customer's IP (i.e., Internet Protocol) address, IP host name, personal information, etc. so that others accessing the Online Shopping System 20 do not share each others' shopping
 15 information. The customer then browses/searches the Web site (i.e., electronic catalog) for a particular product. The customer selects the product or products and the Online Shopping System 20 places the selected products in an electronic shopping cart.

20 At the time of checkout, the customer is asked to create a customer account asking for personal information such as name, billing address, telephone number, email address, as well as some profile information (all of which may be optional) to generate a customer account. If the customer

already has an account, then the account ID is used to identify the customer and the customer is prompted for their password.

Once a customer account has been established, the order
5 is filled out for the products to be purchased including quantity, method of payment (the credit card number may be established in the customer account so that it does not have to be inputted every time), shipping address, and method of shipment. When the order is completed, the order is passed
10 onto the Order Processing system 30.

The Fraud Detection sub-system 310 performs a data integrity check such as whether each of the required fields of the order form are filled out, checksum test of the credit card number, etc. If the order fails the integrity check, the
15 customer is prompted with an error message requiring to resubmit the order with the corrections. If the order passes the integrity check, then the order undergoes the gross fraud check.

The gross fraud check determines whether the customer has
20 a history of defaulting on payments, whether the credit card number is a valid number, or is ordering from a "black-listed" location such as Romania or Russia. If the order fails the gross fraud check, the order is sent into a sorting bin. If the order passes the gross fraud check, the order is sent to a

commercially available fraud checking service such as
CyberSource®. CyberSource® processes the order information
and returns a fraud score. The fraud score is then compared
to a plurality of predetermined threshold 340 and used in
5 conjunction with other fraud rule based checks. If the order
fails, it is placed into the sorting bin. If the order
passes, it is sent to the Distributor Selection sub-system 330
for further processing.

As for the orders in the sort bin, the failed orders are
10 sorted between high risk and low risk orders such as whether
the order was from an account holder who has good credit
history from past purchases, whether the fraud score was too
high because the billing address did not match the address of
the credit card, etc. The plausible orders are then forwarded
15 to the Customer Service sub-system 340 from which the Customer
service representatives either contact the customer to clarify
the discrepancies or override the fraud checks and place them
into the processing bin to be sent to the Distributor
Selection sub-system 330 for further processing. The rest of
20 the failed orders are placed in the Fraud Database 730.

The Distributor Selection sub-system 330 sends the
product information (i.e., SKU and quantity) to each of the
distributors such as independent pick, pack, and ship
distributors and receives information on the products such as

availability and cost. The Distributor Selection sub-system 330 forwards this information to the Catalog Builder/Price Modeler 50 and profit margins are calculated. The Distributor Selection sub-system 330 then selects the distributor with, 5 for example, the highest margin or other selected criteria for particular products and forwards the order electronically. Once the distributor fills the order, the Customer Service sub-system 340 receives or retrieves the order information such as the customer number, warehouse number, shipment date, 10 shipment tracking information, invoice amounts, etc.

Customer Service sub-system 340 emails the customer within minutes after a valid order is received with a confirmation number. The Customer Service sub-system 340 emails the customer again when the order is shipped by the 15 distributor or notifies the customer that the product is not available and has been placed on back order.

The preceding description has been presented only to illustrate and describe the invention. It is not intended to be exhaustive or to limit the invention to any precise form 20 disclosed. Many modifications and variations are possible in light of the above teaching.

The preferred embodiment was chosen and described in order to best explain the principles of the invention and its practical application. The preceding description is intended

to enable others skilled in the art to best utilize the invention in various embodiments and with various modifications as are suited to the particular use contemplated. It is intended that the scope of the invention
5 be defined by the following claims.

What is claimed is:

1. An improved internet-centric electronic transaction processor for automating and facilitating retail sale of ones
5 of a plurality of selected products to retail customers directly from a distributor of said products comprising:

a database for storing catalog-type product data for a plurality of selected products;

10 a communication interface for selectively permitting a retail customer to selectively access said catalog-type product data stored in said database;

an electronic order form for permitting said retail customer to place a purchase order for ones of said selected products;

15 an order processor for processing said purchase orders for ones of said selected products, said order processor including

20 a payment authorization processor for checking the credit worthiness of a purchase method of payment before said purchase order is authorized for fulfillment, said payment authorization processor having

a data integrity checker for checking the integrity of said order to determine if the purchase order should be accepted or rejected,

a gross fraud checker for checking the
accepted orders from said data integrity
checker for fraud based on fraud information
stored in said database to determine if the
purchase order should be accepted or rejected,

a commercial authorization service for
generating a fraud score of the orders accepted
by the fraud checker, and

a comparator for comparing said fraud
score with a predetermined threshold to
determine if the purchase order should be
accepted or rejected, and

a distributor authorization processor for
authorizing said distributor to fulfill said purchase
order and authorizing to ship said ordered product to
said customer in a manner transparent to said customer;
and

a payment processor for billing said retail customer
for said ordered product when authorized for shipment.

2. The improved internet-centric electronic transaction
processor of claim 1, further comprising:

a sorting bin for storing the rejected purchase orders and sorting the rejected purchase orders to be altered and reprocessed.

5 3. An improved internet-centric electronic transaction processor of claim 2, where in rejected purchases are subjected to human review.

10 4. An improved internet-centric electronic transaction method executable by a computer for facilitating automated retail sales of ones of a plurality of selected products to retail customers directly from a distributor of said products comprising the steps of:

15 generating catalog-type product data for said products in a selectively addressable database;

 permitting ones of said retail customers to selectively access said product data stored in said database and allowing said retail customers to submit purchase orders of said selected products;

20 processing said purchase orders from ones of said retail customers by determining if said selected product is available from a distributor's inventory stock and authorizing the distributor to ship said selected product to said retail

customer in a manner that is transparent to the retail customer;

authorizing said purchase order based upon a credit worthiness check of information supplied by said retail

5 customer in connection with said purchase order, said authorizing step including the steps of

performing a data integrity check to determine if the order should be accepted or rejected,

10 performing a gross fraud check on accepted orders using fraud information stored in said database initially determine if the order should be accepted or rejected,

performing a commercial fraud check on accepted orders to generate a fraud score, and

15 comparing the fraud score with a predetermined threshold to either accept or reject said purchase order; and

20 billing said retail customer for said ordered product when said distributor has been authorized to ship such ordered product to said retail customer.

5. The improved internet-centric transaction method of claim 4, further including the step of

sorting said rejected purchase orders to be altered and reprocessed.

6. An improved internet-centric electronic transaction processor for automating retail sale of ones of a plurality of selected products to retail customers directly from a distributor of said product comprising:

a database for storing catalog-type product data for a plurality of selected products;

10 a communication interface for selectively permitting retail customers to selectively access said catalog-type product data stored in said database;

15 an electronic order form for permitting said retail customers to place an purchase order for one of said selected products; and

a payment authorization processor responsive to said order form including

20 first credit authorization means for checking a credit worthiness of said retail customer based upon a first set of credit criteria rules;

second credit authorization means responsive to first credit authorization means for reviewing each order for which a credit rejection is generated by said first credit means; and

sorting bin for storing rejected product order data to minimize the number of rejected orders.

7. The improved internet-centric electronic transaction processor of claim 6 further comprising sorting means to further analyze said data relating to rejected orders and to dynamically alter said first set of credit criteria rules.

8. An improved internet-centric electronic transaction method executable by a computer for automating and facilitating retail sale of a plurality of selected products to retail customers directly from a distributor of said products, the method comprising the steps of:

generating a selectively addressable database of catalog-type product data;

permitting a plurality of retail customers to selectively address said catalog-type product data to enter a purchase order for one or more of said products;

conducting a first credit authorization check based upon a first set of credit authorization rules to generate either an order authorization command or order rejection command;

reviewing each credit rejection demand generated by said first credit authorization check; and

storing in a sorting bin customer order data for each credit rejection generated in said first credit authorization check.

- 5 9. The improved internet-centric electronic transaction method of claim 8 further comprising the step of sorting rejected order data to dynamically alter said first set of credit authorization rules to minimize the number of subsequent product orders rejected.

ABSTRACT

An Internet business transaction processor of the present invention has a distributed processing architecture which
5 allows the processing load to be distributed among multiple parallel servers. The transaction processor of the present invention provides a virtual store front utilizing "others people's warehouse" approach by using a dynamic distributor selection processing system to select among a plurality of
10 distributors based on flexible rule-based algorithm. Furthermore, a multi-level fraud check processing system allows orders to be processes that would otherwise be discarded to generate a higher yield in sales.

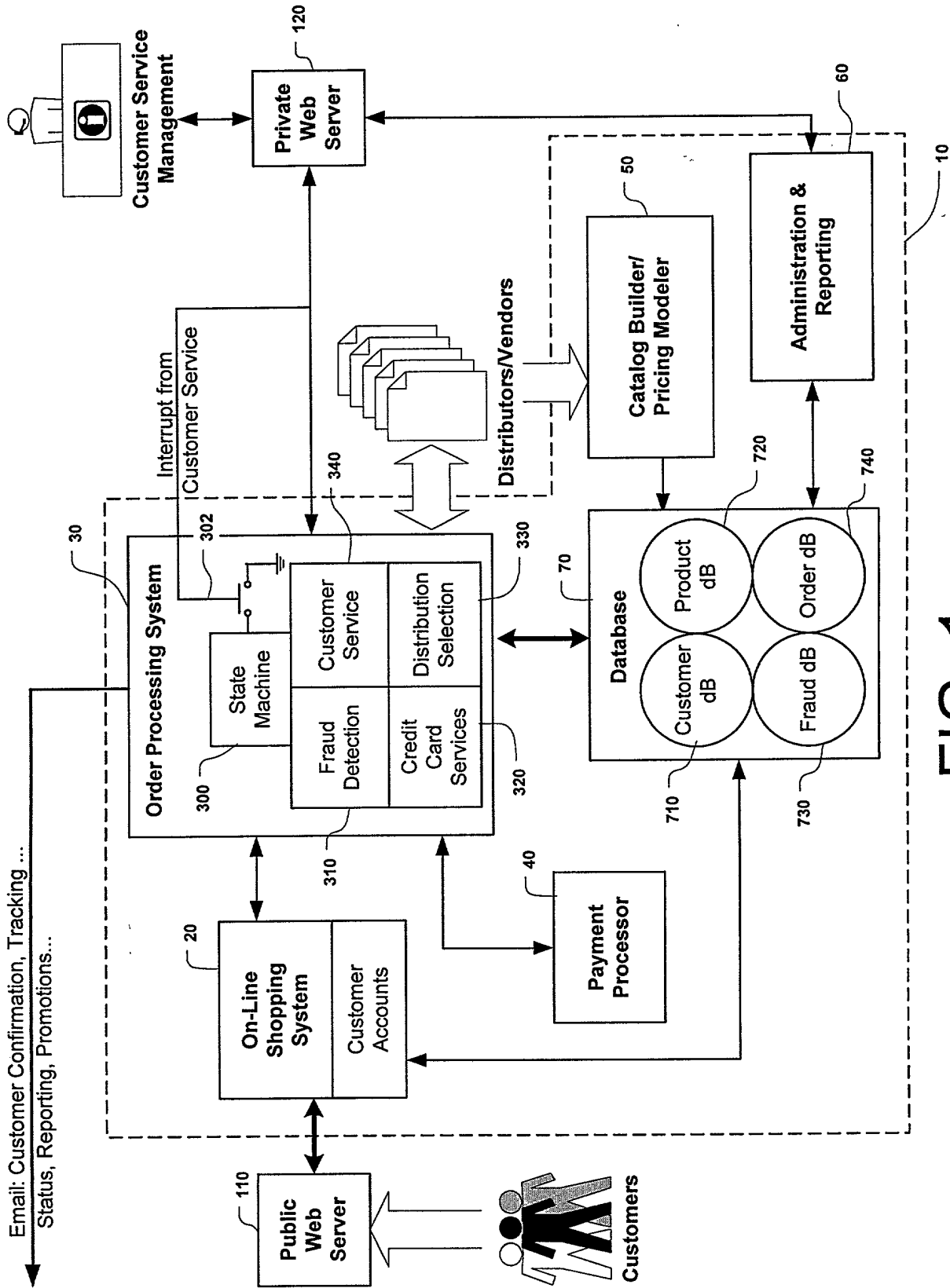


FIG. 1

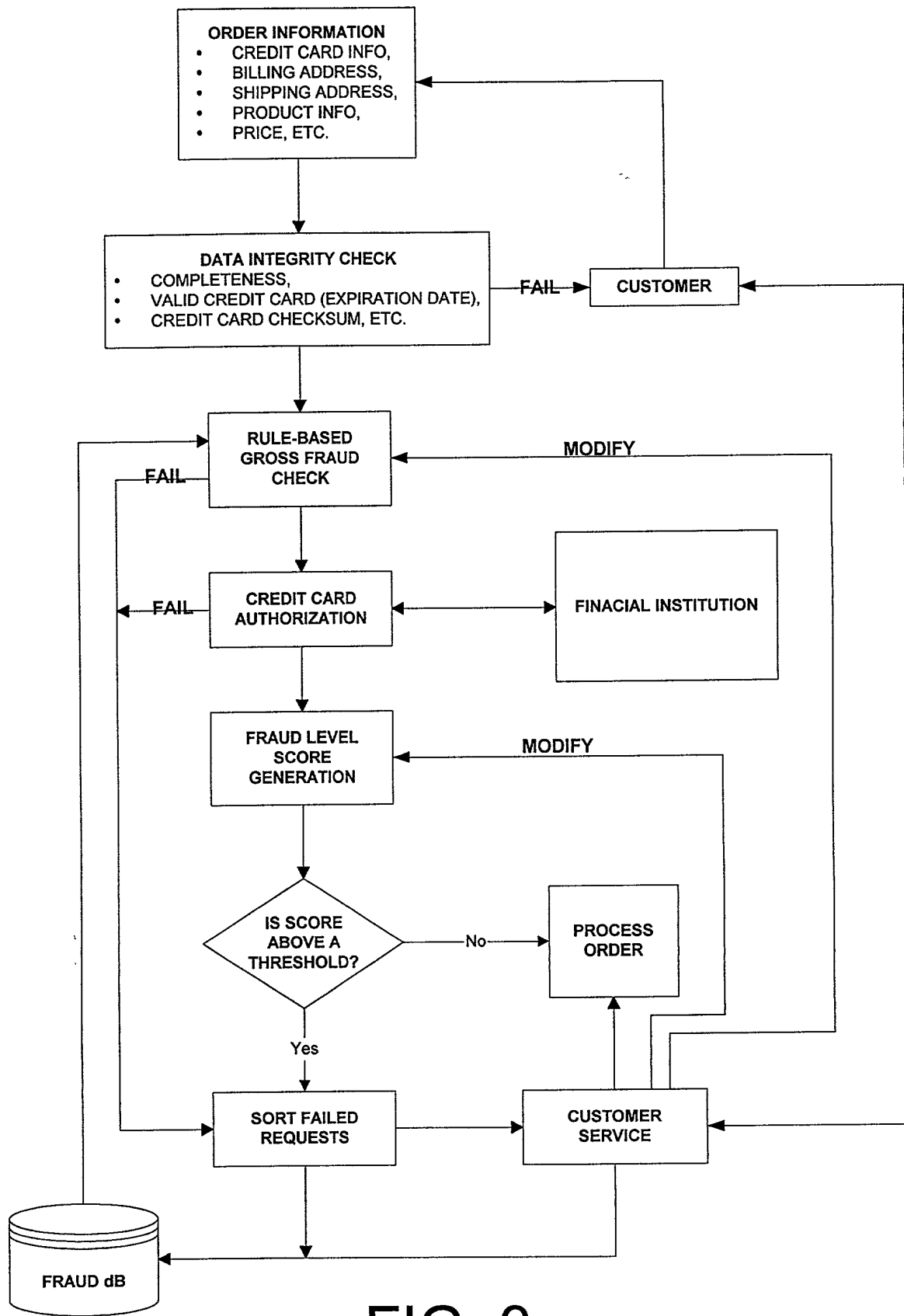


FIG. 3

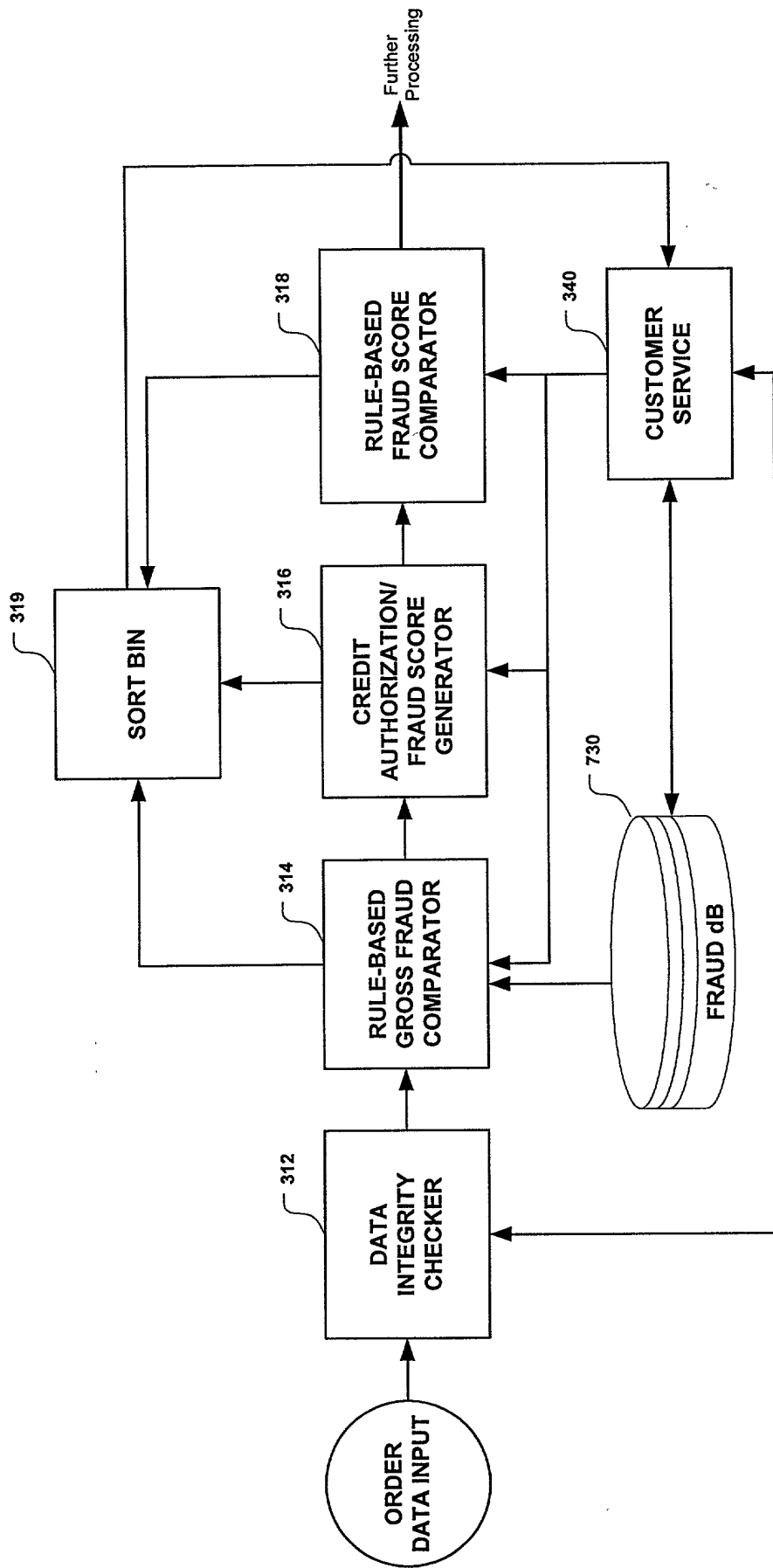


FIG. 4

Patent Application No. 2011/0144440 A1

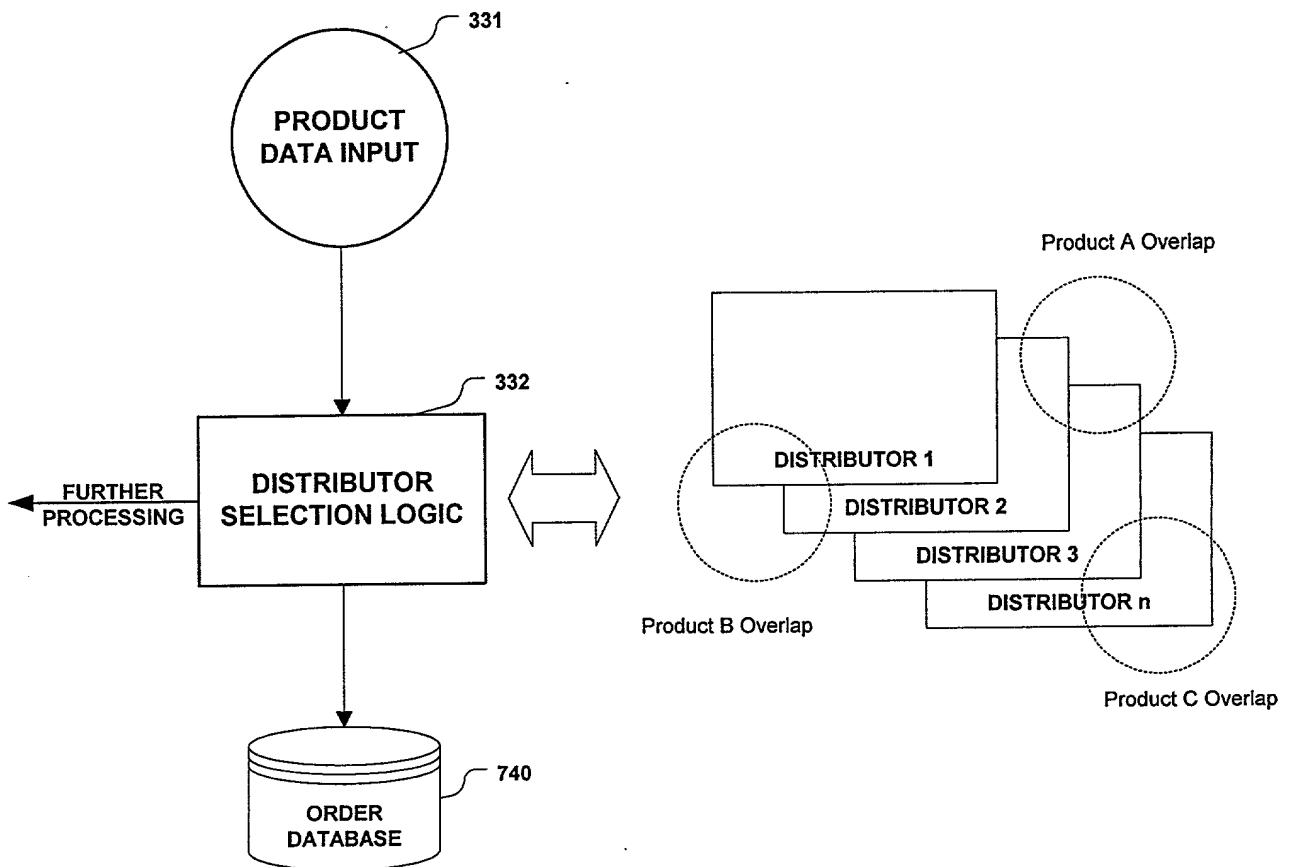


FIG. 5

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

the specification of which

(check one)
X is attached hereto.

was filed on _____ as

Application Serial No.
and was amended on
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/104,831</u> (Application Serial No.)	<u>October 19, 1999</u> (Filing Date)	<u>pending</u> (Status)
		(patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status)
		(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

English Language Declaration

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.


Ronald P. Kananen, Reg. No. 24,104; Ralph T. Rader, Reg. No. 28,772; Michael D. Fishman, Reg. No. 31,951; Richard D. Grauer, Reg. No. 22,388; Joseph V. Coppola, Sr., Reg. No. 33,373; Michael B. Stewart, Reg. No. 36,018; Steven L. Nichols, Reg. No. 40,326; Jeffrey L. Thompson, Reg. No. 37,025; David K. Benson, Reg. No. 42,314; and Paul W. Fish, Reg. No. 22,435.

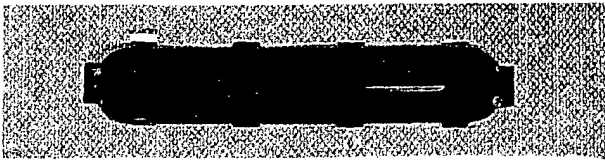
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Citizenship	US
Post Office Address	187 Redwood Drive
	Boulder Creek, CA 95006
Full name of second joint inventor	
Second Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	



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SEARCHED

Class	Sub.	Date	Exmr.
705	26	9/24/01	CAN
	27	↓	

SEARCH NOTES (INCLUDING SEARCH STRATEGY)

	Date	Exmr.
WEST 2.0/DERWENT	9/24/01	CAN
Dialog Classic	↓	}
Consulted Bob Weinhardt	9/25/01	
EIC searches	7/5/01	CAN

27

INTERFERENCE SEARCHED

Class	Sub.	Date	Exmr.

20399
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ISSUE SLIP STAPLE AREA (for additional cross references)

POSITION	INITIALS	ID NO.	DATE
FEE DETERMINATION	MG		2/13/99
O.I.P.E. CLASSIFIER		16	7/5/99
FORMALITY REVIEW	SB	#07033	7-21-99

INDEX OF CLAIMS

- ✓ Rejected
- Allowed
- (Through numeral) ... Canceled
- + Restricted
- N Non-elected
- I Interference
- A Appeal
- O Objected

Claim	Date
Final Original	
1	9/29/04
2	11/5/02
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66/05/90
06/30/99
Jc408 U.S. PTO

Attorney Docket No. HSI-006
Date: June 30, 1999

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Jc510 U.S. PTO
09/343550
06/30/99

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Robert S. ALVIN

For: MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET
BUSINESS TRANSACTION PROCESSOR

Enclosed are:

- Specification and Claim(s).
- Oath or Declaration (executed).
- 5 sheet(s) of drawings.
- An assignment of the invention to HardwareStreet.com, Inc.
- Copy of _____ priority application(s).
- Associate Power of Attorney.

The fee has been calculated as shown below:

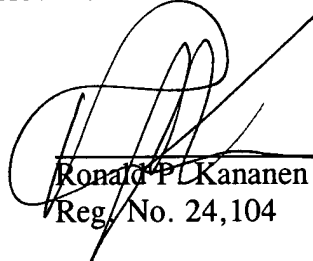
CLAIMS AS FILED				
FOR	NUMBER FILED	NUMBER EXTRA	RATE	BASIC FEE \$380/\$760
TOTAL CLAIMS	9-20	0	X \$ 9 \$18	0
INDEP. CLAIMS	4-3	1	X \$39 \$78	39.00
Fee for Multiple Dependent Claims \$130/\$260				0
			TOTAL FILING FEE	\$419.00

06/30/99 09/343550

- A Preliminary Amendment is attached.
- °Verified Statement claiming small entity status is enclosed.
- Charge \$ 419.00 to Deposit Account No. 18-0013 to cover the filing fee. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any fees under 37 C.F.R. 1.16 or 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 18-0013. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$ _____ cover the filing fee is enclosed.
- Charge \$ 40.00 to Deposit Account No. 18-0013 to cover the recordal fee. A duplicate copy of this sheet is enclosed.
- Applicant's undersigned attorney may be reached by telephone in our Washington D.C. Office at

(202) 955-3750.

All correspondence should be directed to our below listed address.



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 Reg. No. 24,104

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 Facsimile: (202) 955-3751

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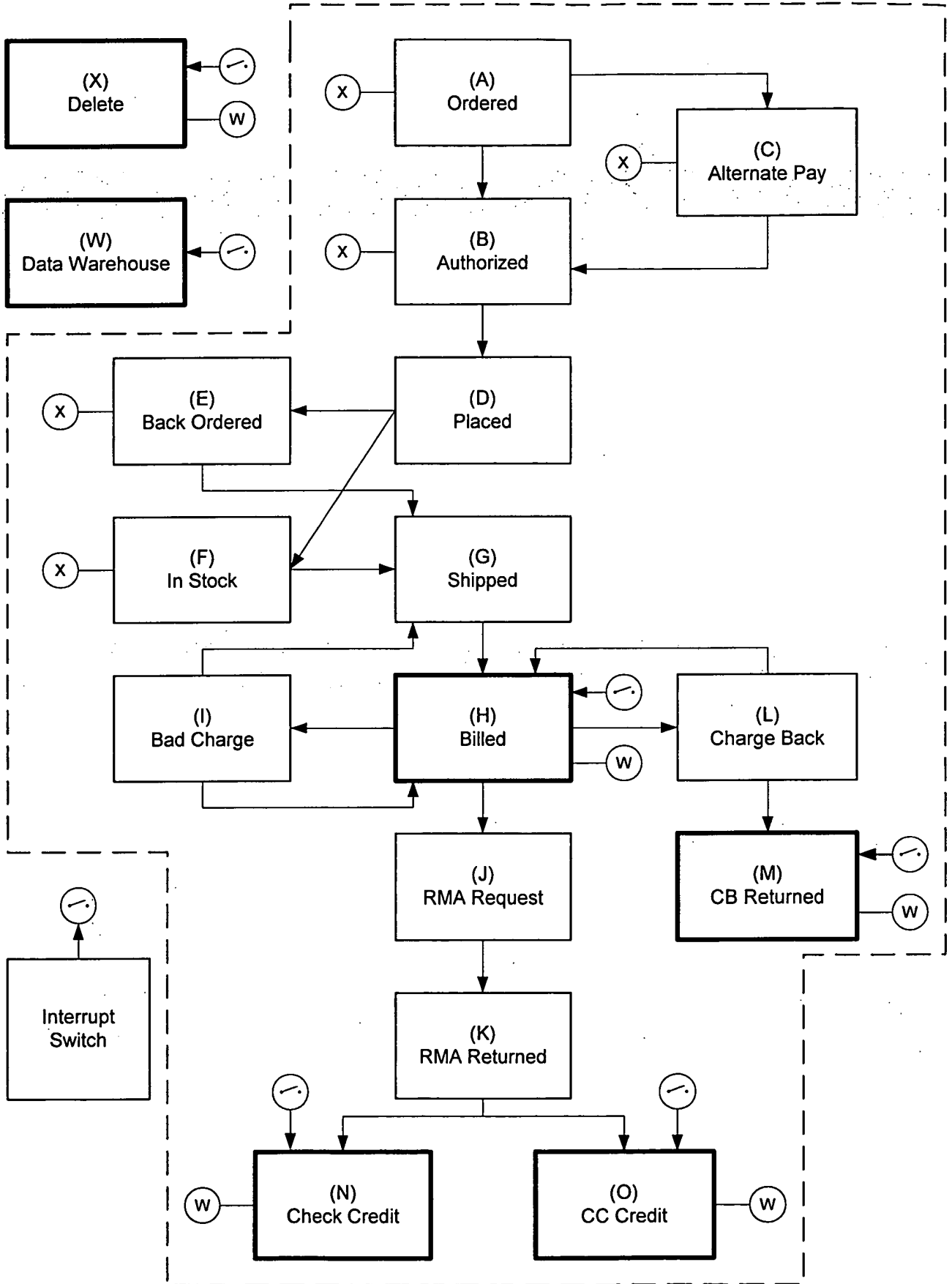


FIG. 2

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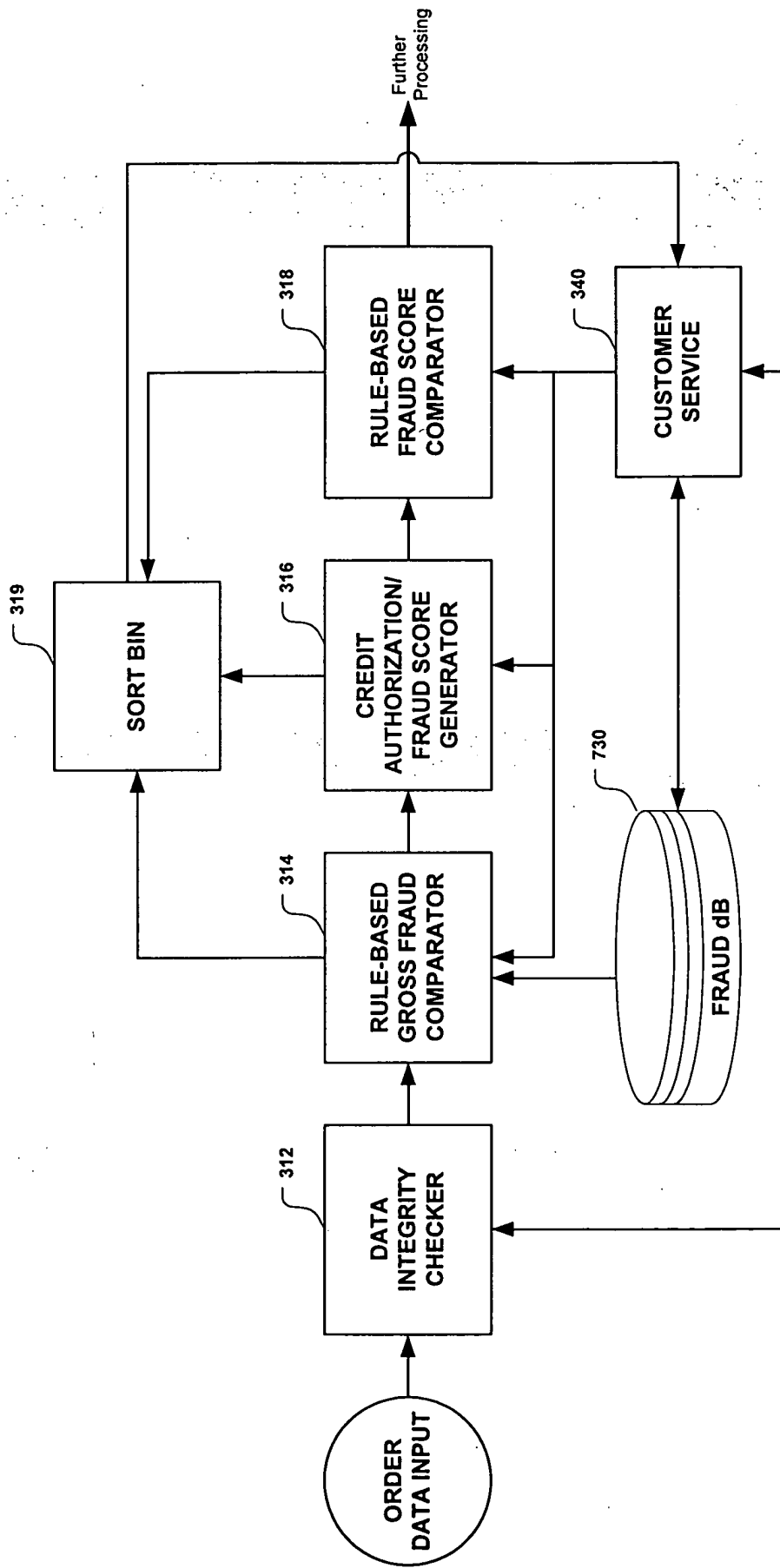


FIG. 4

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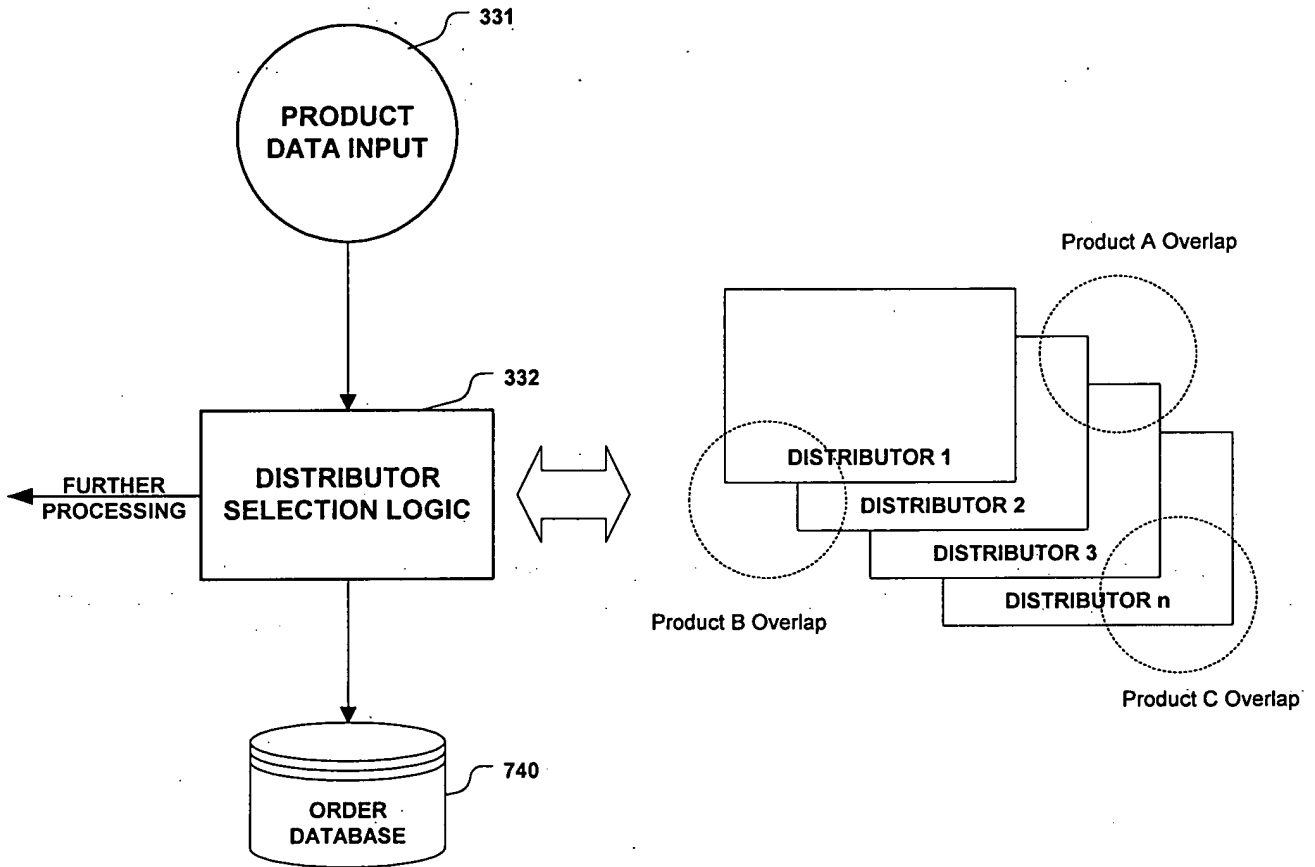


FIG. 5

dependent on the number of personnel dedicated to the sales process.

Store-based retailers also face the financial risk of carrying inventory that may quickly become obsolete. Physical possession of inventory also limits the speed at which these retailers can change their merchandise mix and offer new products. This is because a store must physically obtain, set up and display the products. Physical stores also can only serve customers in a limited geographic area because the customers must travel to the store to shop. To extend this limited reach, new stores must be opened in different geographic locations. However, the time required and the significant investments in inventory, real estate and personnel required at each new location, make it difficult to expand quickly into new geographic regions.

Catalog-based (e.g., mail-order) retailing provides only a partial solution to the disadvantages of store-based retailing. Catalogs do provide customers with the convenience of shopping from home or the office at flexible times.

However, catalog merchandising is costly and wasteful because paper, printing, and postage are increasingly expensive and a large percentage of people to whom catalogs are sent will not use them. Also, the number of products catalogs can feature

and the product information they can provide are limited due to catalog mailing, printing and other related expenses.

Catalogs are also very inflexible and provide only limited accessibility. In order to change products or prices, the catalog must be reprinted and redistributed which is both costly and time consuming. Furthermore, catalogs' accessibility is limited in that they are available only to those people to whom they are sent. Also, the catalog shopping experience is, in general, neither interactive nor personalized, yet requires extensive personnel support and manual intervention on behalf of the retailer to take and process orders.

The more recent advent of the combination of infomercials and other advertising supporting telephone sales also provides only a partial solution. The ability to order by phone provides the same inconvenience that the catalog does.

However, infomercial and other advertising is extremely expensive. They are also limited in their geographic scope.

Typical media outlets serve only a relatively small geographic area. To expand the geographic scope of advertising,

additional media outlets in different locations must be used.

This greatly increases expenses. Advertising is also limited in duration. Expense increases drastically upon extending the term of the advertising.

The advertisements and infomercials that describe the products are also limited in the scope of products they can cover. The expense limits the size of print advertising and the duration of radio and television advertising. These
5 limitations restrict the number of products that can be covered. They also restrict the amount of information that can be provided for the products.

Recently, the Internet has emerged as a powerful new global communications and commerce medium that represents a
10 radical new way for people to share information and conduct business electronically. Though the Internet has been well known for several years, it has been mainly used for research and as an educational medium. Hence people were initially slow to adopt it as a common means of conducting retail commerce.
15 However, with technology advancing such that personal computers are now an affordable commodity for the average household, more and more personal computers are being acquired for home usage. In conjunction with increased computer awareness and usage, affordability and ease of accessibility
20 to the Internet from an average household has given birth to a new type of commercial medium referred to as Electronic Commerce (i.e., E-Commerce).

The increasing functionality, accessibility and overall usage of the Internet have made it an attractive commercial

medium that can offer solutions to many of the shortcomings of the traditional retail models. For instance, the Internet has radically changed the relationship between customers. Online retailers can, from a single remote computer, interact
5 directly and simultaneously with customers across the globe.

The Internet also eliminates the traditional retail models' limited availability and barriers to expansion. On the Internet, a store is accessible throughout the world around the clock. The limitations associated with printed catalogs
10 are eliminated as well. There is no incremental cost associated with making Internet content available to people who will not use it. Internet also provides easy adaptability to changing market conditions and allowing an interactive, customizable retail experience.

15 Online retailers can respond more rapidly to customer demand by frequently modifying their product offerings, shopping interfaces and pricing, simply by modifying their Web site. Additionally, the Internet improves on the limited amount of information that can be conveyed in the catalog and
20 advertising/telephone sales models of retail sales. Web sites are inexpensive relative to the number of potential customers they reach, allowing much more information can be provided on a Web site than in any advertisement.

However, even with the advantages that is associated with the usage of the Internet as a commercial medium, there are still drawbacks in the currently existing E-Commerce retail businesses. In particular, most E-Commerce retail businesses
5 mainly use the Internet and Web pages as an advertising medium to replace the previous catalog/infomercial type advertisements. Although some of the businesses have begun accepting product orders online via email or Web pages, the current E-Commerce businesses for the most part have adopted a
10 hybrid business model in which the traditional business models are coupled with E-Commerce business practices.

For instance, the usage of the Internet has replaced a few of the traditional business practices such as advertising and order processing, but most of the so-called E-Commerce
15 retail businesses of the prior art still operate by maintaining an inventory. That is to say, the current online businesses still maintain inventories in warehouses that store the merchandise to be sold. As described above, the costs associated with such business practices are high, especially
20 in the computer related products market where their relatively short life cycle and the rapid adoption of new technologies and products make the traditional inventory store and catalog sales models particularly problematic. If the computer products are not sold in a relatively short period of time,

"other people's warehouse" approach to avoid maintaining physical stores and operating warehouses while maintaining such practices transparent to the customer.

5 The business transaction processor of the present invention has a modular design comprising a plurality of distributed transaction processing systems, allowing the processing load to be distributed among multiple parallel servers thereby providing faster processing of transactions while providing expandability for future growth.

10 The business transaction processor of the present invention interacts with multiple distributors thereby providing a larger selection of products with higher availability with aggressively competitive pricing all the while maintaining gross company margins.

15 The business transaction processor of the present invention utilizes multi-level fraud checking system that incorporates propriety as well as commercially available fraud checking system thereby providing a higher level of risk management while providing a fraud check system that is not
20 exclusively dependent on commercially available services.

The business transaction processor of the present invention is fully automated including automatic generation of an electronic catalog, competitive pricing engine based on

flexible rule-based algorithms, and automatic feedback to the customer.

Additional objects, advantages and novel features of the invention will be set forth in the description which follows or may be learned by those skilled in the art through reading these materials or practicing the invention. The objects and advantages of the invention may be achieved through the means recited in the attached claims.

10 BRIEF DESCRIPTION OF THE DRAWINGS

The accompanying drawings illustrate the present invention and are a part of the specification. Together with the following description, the drawings demonstrate and explain the principles of the present invention.

15 Figure 1 is a block diagram showing the overall system of the present invention.

Figure 2 is a state diagram of the order processing of the present invention.

20 Figure 3 is a flow diagram showing the fraud processing according to the present invention.

Figure 4 is a logic block diagram for performing the multilevel fraud processing according to the present invention.

Figure 5 is a flow diagram showing the distributor selection processing according to the present invention.

DETAILED DESCRIPTION OF THE INVENTION

5 Using the drawings, the preferred embodiments of the present invention will now be explained. As shown in Figure 1, the Internet business transaction processor 10 of the present invention has a distributed processing design allowing the processing load to be distributed among multiple parallel
10 servers. The Internet business transaction processor according to the present invention is comprised of an Online Shopping System 20, Order Processing System 30, Payment Processing System 40, Catalog Builder/Price Modeler 50, and Administration System 60. The transaction processor 10 of the
15 present invention also includes a main database 70 comprised of a Customer Database 710, Products Database 720, Fraud Database 730, and Order Database 740.

According to the present invention, a customer accesses the Online Shopping System 20 via a public Web server 110 to
20 obtain product information available for purchases, set up a customer account, check order status, etc. The Order Processing System 30 receives the product order requests and processes the orders to check for availability with multiple distributors, orders the products based on pricing

information, performs credit card validations, etc. The Payment Processing System 40 processes the method of payment once the orders have been properly processed. The Catalog Builder/Price Modeler 50 builds information of the products offered by the distributors to be made available by the Online Shopping System 20 to the customer as well as the prices at which these products will be offered based on a pricing model to be described in detail below. Customer service representatives and managers have access to all of the information in the database via the Administration System 60 through a dedicated secure Web server 120 available only to authorized personnel. The Administration System 60 is used to produce reports of sales, reconcile order discrepancies, manually adjust prices, approve credit, etc. Functionality of each of the sub-systems will now be explained in detail.

Online Shopping System

The Online Shopping System 20 is the main interface between the customer and the E-Commerce business and is primarily responsible for providing the overall online shopping experience to the customer. The Online Shopping System 20 of the present invention provides an electronic catalog of available products stored in the Products Database 720 along with the price of the product. This information is

generated by the Catalog Builder/Price Modeler 50 to be described in detail below.

The electronic catalog is a Web page, for example, that dynamically displays product information from the Products Database 720. Consequently, the electronic catalog is always up to date with the most recent product information and does not suffer from the same shortcomings as that of the prior art cataloging systems. Furthermore, because each product is displayed as a dynamic variable, a new catalog does not have to be generated every time the Product Database 70 is updated. Only the updated product information will be changed in the catalog.

In conjunction with the electronic catalog, the Online Shopping System 20 provides an electronic shopping cart that keeps record of each item marked to be purchased by the customer and provides a finalized shopping list and the total amount purchased at the end of a shopping session which may include appropriate taxes and shipping/handling charges.

The Online Shopping System 20 is also used to create customer accounts with such information as customer name, billing address, telephone number, email address, etc. and this information is stored in the Customer Database 710. Such information is used by the transaction processor 10 for billing, order notification, promotional/incentive

distribution, etc. A customer may also access the Online Shopping System 20 to track the status of previous orders and returned merchandise, send inquiries to Customer Service, etc. Furthermore, customer accounts can be used to generate

5 customized portfolios based on purchase patterns of individuals to provide targeted advertising, purchase incentives such as electronic coupons and rebates, specialized promotions and competitive pricing of high demand products.

10 Catalog Builder/Price Modeler

As described generally above, the Catalog Builder/Price Modeler 50 builds the Products Database 720 with available products from the distributors as well as the sales price for each product. With regard to the catalog generation, the

15 Catalog Builder/Price Modeler 50 receives product information from multiple distributors. The product information includes but are not limited to product description, quantity available, and price for the product.

Access to the product information from the distributors

20 may be accomplished by Telnet, FTP (File Transfer Protocol), industry standard EDI (Electronic Data Interchange), or any other appropriate communication protocol including specialized client/server software provided used by the distributors.

5 Downloading of the product information from the distributors is scheduled to run automatically by the Catalog Builder/Price Modeler 50 so that no human interaction is necessary unless it is desired to do so. The product information is preferably updated continually throughout the day as updated product information becomes available from the distributors or based on other preselected triggers. For example, all the distributor data may be updated during certain times of the day. Data for some selected distributors may be updated hourly while product data of others may be updated every time the web page is viewed for that product or after the product is ordered. As the communications technology becomes more advanced, it may be possible to maintain a continuous connection to the distributors' network thereby obtaining real-time status of each product offered by the distributor.

10
15
20 For other suppliers of products that may not have such communication capabilities or does not make economic sense to provide such continuous update of product information, an alternative system may be provided for updating/accessing product information. For instance, small distributors or individual vendors may operate through a secure web site to update their product information, receive order information from the transaction processor of the present invention, and

provide shipping/tracking information of their products from their companies.

Once the product information from each of the distributors is collected, the Catalog Builder/Price Modeler 50 sorts the product information to generate the electronic catalog. The Catalog Builder/Price Modeler 50 of the present invention generates multiple catalogs from the same system and allows the Online Shopping System 20 to dynamically display user specific interfaces. The Catalog Builder/Price Modeler 50 generates catalogs with different visual presentations (e.g., color, fonts, graphics, advertising, etc.) and product offerings depending on the user accessing the Online Shopping System 20 based on the user-specific information via criteria-specific templates.

For example, when a student accesses the Online Shopping System 20 of the present invention as a potential customer, the Online Shopping System 20 displays a catalog of mixed products appropriate for students with academic pricing. Alternatively, a business person who accesses the Online Shopping System 20 of the present invention may see a catalog of products appropriate for his or her business with available corporate discounts for that product. This way, a single system is maintained that looks and functions like many different catalog shopping systems.

The pricing model used by the Catalog Builder/Price Modeler 50 of the present invention is an intelligent rule-based algorithm such as an AI (i.e., Artificial Intelligence) program generates a competitive price for a product based on price of the product offered from the distributors, any specials that are being promoted for the product, and cost/profit margins from the sale of the product to the customer. Simply stated, the price of the product is a function of the profit margin. Default margins are set in the rule-based programming of the pricing model, but due to its adaptability the Catalog Builder/Price Modeler 50 may automatically adjust the margins based on the rules of the pricing model and the pricing information obtained from the distributors. Further, the rules of the pricing model and setting of margins may be manually modified using the Administration System 60 to be explained in detail below.

The Catalog Builder/Price Modeler 50 of the present invention uses a plurality of margins to determine the sales price of a product depending on which category the product is in. For instance, the margin for the products in the first category may be set to 10% + cost since this is a category of products that the customer would most likely buy even though the price may be a little bit high. On the other hand, the margin for the products in the second category may be set to

2.5% + cost in order to provide a competitive price for high demand products. Further, the margin for the products in the third category may be set to 0% + cost due to promotionals of discontinued products, for example.

5 The Catalog Builder/Price Modeler 50 may be used to obtain initial sale prices of the products to be listed in the electronic catalog. Furthermore, the Catalog Builder/Price Modeler 50 may also adjust the pricing dynamically based on other system data that may change throughout the day. For
10 example, the price may be adjusted based on the amount of web site traffic, sales for a particular vendor, category, or SKU, and even the time of day. Subsequently, the Catalog
15 Builder/Price Modeler 50 may be used in conjunction with the Order Processing System 30 to be described in detail hereinafter to select a distributor to fill the order for a
20 selected product using real-time data at the time of purchase. In this way, prices of the products in the electronic catalog can be dynamically changed based on the current market for these products.

Order Processing System

The Order Processing System 30 of the present invention processes the orders passed from the Online Shopping System 20. The Order Processing System 30 of the present invention

is comprised of four basic sub-systems: Fraud Detection 310, Credit Card Services 320, Distributor Selection 330, and Customer Service 340. The overall functionality of the Order Processing System 30 is described hereinafter.

5 When an order for a selected product is received, the Order Processing System 30 first determines whether the order is a valid order by the Fraud Detection sub-system 310. If the order is valid, then the order is sent to the Distributor Selection sub-system 330 to determine firstly if the product
10 ordered is available and secondly from which distributor the product will be supplied. Once a distributor is chosen the order is fulfilled with the distributor. After confirmation of product shipment, the order is sent to the Payment Processing System 40 via the Credit Card Services sub-system
15 320 to charge the customer's credit card for the purchase. The Customer Service sub-system 340 monitors each of the ordering processes and can intervene anywhere in the process if warranted.

Moreover, the Order Processing System 30 of the present
20 invention is driven as a state machine 300. As such, a purchase order during processing enters predetermined states as shown in Figure 2. Interrupt switch 302 is operable to interrupt state machine 300 to facilitate selective tracking of an order during processing to determine the status of any

purchase order during processing. The intervention of the state machine 300 also allows the ability to force an order into a particular state or manually set certain flags by hand. As such, the state machine 300 of the present invention allows enhancements to the state diagram for manageable changes to the Order Processing System 30. Additions or deletions of new states, arcs, and conditions change the paths an order takes through the order processing operation. As will be hereinafter more fully explained, a purchase order during processing under control of state machine 300 can only come to rest at a predetermined number of processing stations or states (e.g., H, M, N, O, X, etc.) as shown in Figure 2.

Each block represents a state in which a purchase order being processed by the Order Processing System 30 can occupy. According to the present invention, a purchase order being processed by the Order Processing System 30 must move from one state to the other except in the states indicated in bold, e.g., states (H), (M), (N), (O), (X), and (W). These are the only states according to the present invention in which a purchase order can be at rest at a final destination. All other states are transient and the order will eventually move to the next state, or eventually flagged with an error condition which triggers an alarm to customer service indicating an abnormality in the order processing. For

example, an order that has been placed for a product in stock but never shows up as being shipped (i.e., stuck in the "in-stock" state) times out after a predetermined time period and is flagged as an error. With the Order Processing System 30 of the present invention functioning as a state machine as described above, a purchase order can only be in predetermined states at any given time thereby facilitating ease of tracking of the status of an order.

10 A detailed description of each of the sub-systems is provided hereinafter.

Multi-Level Fraud Detection

15 The Fraud Detection sub-system 310 of the present invention is a multi-level fraud checking system used to determine if an order is a valid order. As shown in Figure 1, when an order is passed from the Online Shopping System 20, the Order Processing System 30 receives the order information such as credit card information, billing address, shipping address, quantity of selected products, sales prices of the products, etc. This order information is initially passed through the Fraud Detection sub-system 310.

20 As shown in Figure 4, the logic blocks of the Fraud Detection sub-system 310 includes a data integrity checker 312, a rule-based gross fraud comparator 314, a credit

authorization/fraud score generator 316, and rule-based fraud score comparator 318. The interaction of these logic blocks will be explained with reference to the flow diagram as shown in Figure 3.

5 Once the order data is input into the Fraud Detection sub-system 310, the data integrity checker 312 initially performs a data integrity check on the order information for completeness such as billing address information, shipping address information, and method of payment. For example,
10 credit card information is checked to verify that the credit card is not yet expired for credit card purchases. If the data integrity check fails on the order, the customer is notified of the incomplete portions of the order for correction. Once the order passes the data integrity check,
15 the order then proceeds to the gross fraud comparator 314.

 Gross fraud check involves searching the Fraud Database 730 internal to the transaction processor 10 of the present invention for history of bad credit by the customer submitting the order. The gross fraud check of the present invention
20 acts as an initial filter for rejecting obvious fraudulent orders such as orders from "black-listed" customers in the Fraud Database 730 with previous histories of bad credit, orders from countries other than the United States under economic crisis, etc. If an order fails the gross fraud

check, the order is passed to Customer Service 340 and the customer is immediately notified of the reasons why the order cannot be processed. If, on the other hand, the order passes the gross fraud check, the order is then checked for credit card authorization from a financial institution, such as a commercially available fraud check service and AVS (Address Verification Service).

Based on the information received from the financial institution, a fraud level score, for example, is generated by the credit authorization/fraud score generator 316. The fraud level score is a grading system that indicates the level of risk the order will pose to the business by processing the order. The score is then compared with several predetermined thresholds by the rule-based fraud score comparator 318 and takes different actions based on the comparison to these multiple thresholds. If the score is below the minimal threshold, the order is sent for further processing. If the score is above the maximum threshold, the order is sent into sorting bin 319. The intermediate thresholds allow the order to pass through various intermediate steps while triggering flags for each failed threshold comparison. This allows the failed order to be characterized by several types of failures given a total overall score. The sorting bin 319 of the present invention acts as a buffer to minimize discarded

orders. According to the present invention, a dynamic sorting procedure is performed on the rejected orders stored in the sorting bin 319.

The failed orders in the sorting bin 319 are analyzed for reasons why the fraud level score was so high. Failed orders are analyzed for previous purchases by the customer, whether the customer is an account holder, etc. and sorted between high risk and low risk orders. For instance, orders from repeat customers who otherwise have a good history of previous purchases, for example, are low risk orders even though the fraud score is high and orders from customers who have no previous purchase history pose a high risk on defaulting on payments. Subsequently, the sorted orders are either sent to Customer Service 340 to be altered and resubmitted for validation or stored in a list of bad names in the Fraud Database 730 to be used in the gross fraud check of subsequent orders.

Alternatively, if there are generally a high number of failed orders in the sorting bin preventing sales of products, the fraud scores are analyzed and either the rules for generating the fraud score is altered or the thresholds are dynamically modified to reduce the number of orders being rejected. Furthermore, the comparator parameters in the data integrity checker 312 and gross fraud comparator may also be

modified based on the results of the rejected orders to optimize order validations. By incorporating multi-level fraud checking system in the manner of the present invention, orders that would otherwise be lost can be recovered thereby increasing business transactions.

Distributor Selection

Once an order has been checked for fraud and passes as a valid order, the products in the order are checked by the Distributor Selection sub-system 330 to determine which distributor will be used to fill the order. The selection of a distributor may be determined by several different methods.

Preferably, as shown in Figure 5, when an order is received by the Distributor Selection sub-system 330, the product information such as the product SKU (i.e., Stock-Keeping Unit) number and quantity is determined from the order and sent to the data input 331. This information is then sent to each of the distributors and the distributors are polled for availability, quantity available by the distributor, and the current price for the product, for example. The information received from each of the distributors are then used by the distribution selection logic 332 to determine which distributor will fill the order. When more than one distributor can fill the order, the product information from

each of the available distributors is processed by the distribution logic 332 based on the rule-based algorithm to determine which distributor will be able to best fill the order.

5 For example, the rules for selecting a distributor may be set to select the distributor providing the product with the maximum profit margin or within a range of margins. Alternatively, the rules may also take into consideration the type of shipping available from the distributor. For
10 instance, if one distributor provides the product with the maximum profit margin but only has ground shipping available that may take weeks for delivery but another distributor provides next-day delivery with a lesser profit margin and the customer indicated speedy delivery, then the second
15 distributor is selected since the first distributor, although providing the maximum profit margin, cannot fulfill the speedy delivery indicated by the customer. In other situations, the Distributor Selection sub-system 330 may be forced to select a particular distributor for a certain product regardless of
20 other factors because of special relations with that particular distributor.

Alternatively, if the connection between some or all of the distributors cannot be established during an ordering processes, the product information stored in the Product

Database 720 may be used instead of delaying the processing of the orders. As explained above, the products information is updated preferably three times during a business day.

Therefore, although the data in the Product Database 720 is not as accurate as real-time data, the information is generally recent enough to fill the order.

Once a distributor selection is made, the Distribution Selection sub-system 330 forwards the order electronically to the selected distributor to fill the order. The Distributor Selection sub-system 330 then receives verification from the distributor such as customer number, warehouse information, shipment date, invoice amount, shipping cost, tracking number, etc. and stores the order information in the Order Database 740 to make it immediately available to the customer service and the customer's online account.

Credit Card Services

Credit Card Services sub-system 320 receives the orders forwarded to the distributor by the Distributor Selection sub-system 330 and forwards the total cost of the order to the Payment Processing System 40 to be charged to the customer's credit card. Alternatively, if a product has been returned, the Credit Card Services sub-system 320 processes the RMA (i.e., Returned Merchandise Authorization) and sends the

request to the Payment Processing System 40 to refund the amount to the customer.

Customer Service

5 Customer Service sub-system 340 provides a feedback interface between the E-Commerce business using the transaction processor 10 of the present invention with the customers. Customer Service sub-system 340 allows the customer service representatives to access any part of the order processing being performed by the Order Processing System. Customer Service 340 provides the interface into the Order Processing System 30 by handling failed orders, sorted orders from failed orders, customer inquires to order/RMA status, and other customer service issues.

15 In particular, Customer Service sub-system 340 provides automated feedback to the customer. For instance, once an order has been properly processed, the Customer Service sub-system 340 will send an automated message to the customer with the order information such as customer number, shipment number, tracking number, etc. In cases where orders have failed during the processing period, Customer Service sub-system 340 automatically generates notices to the customer and/or customer service relaying that the order has failed and provides further instructions on how to correct the problem.

Additionally, Customer Service sub-system 340 may be programmed to send customers in the Customer Database 710 periodic newsletters, promotional offers, exclusive sales, coupons and incentive, etc. Moreover, this periodic feedback
5 to the customer can be highly personalized based on the information stored in the Customer Database 710 such as the customer's buying patterns.

Payment Processing System

10 The Payment Processing System 40 receives order/RMA information from the Order Processing System 30 in conjunction with the payment method information. For credit card orders, the Payment Processing System 40 contacts the financial institution issuing the credit card and charge the account
15 holder for purchases or credit the account for processed RMAs. For non-credit card orders, the Payment Processing System 40 may issue bills, receive CODs (i.e., cash-on-delivery) and checks, issue refunds, process wire-transfers, etc. Moreover, the present invention may also take advantage of online leases
20 and loans, a relatively new service in the area of e-commerce.

With respect to the online loans, once a customer is finished shopping with the Online Shopping System 20 of the present invention, the customer applies electronically to a financial institution for a loan. When the loan has been

approved, the financial institution sends a loan number and the loan balance limit to the Order Processing System 30. The Payment Processor 40 then proceeds to use the loan number as a credit card number and finishes the transaction by drawing on the approved loan from the financial institution.

With regard to the online lease, once a customer is finished shopping, the customer applies for a lease from a financial institution. When the application is approved, the financial institution sends a lease number to the Order Processing System 30. The Payment Processor 40 then proceeds to use the lease number as a credit card number and finishes the transaction drawing on the approved balance from the leasing institution. The purchase is then shipped directly to the customer, but as with all leases, the leasing institution owns the products.

Example of Ordering Online

The transaction processor 10 of the present invention will be described with specific embodiments to more clearly describe the functionality of the present invention. However, equivalent components and obvious modifications within the ability of one with ordinary skill in the art may be used without departing from the scope of the present invention.

The transaction processor 10 of the present invention is built on industry standard equipment including Sun UltraSparc servers, Solaris operating system, Apache Web servers, and Oracle databases. Preferably, each of the systems and sub-
5 systems are installed on a dedicated server running in parallel in a distributed processing architecture.

A customer accesses the Online Shopping System 20 via the company's Web page through a public Web server 110, such as the customer's ISP (i.e., Internet Service Provider). Once on
10 the company's Web page, the customer is issued a unique identification number using various techniques such as using the customer's IP (i.e., Internet Protocol) address, IP host name, personal information, etc. so that others accessing the Online Shopping System 20 do not share each others' shopping
15 information. The customer then browses/searches the Web site (i.e., electronic catalog) for a particular product. The customer selects the product or products and the Online Shopping System 20 places the selected products in an electronic shopping cart.

20 At the time of checkout, the customer is asked to create a customer account asking for personal information such as name, billing address, telephone number, email address, as well as some profile information (all of which may be optional) to generate a customer account. If the customer

already has an account, then the account ID is used to identify the customer and the customer is prompted for their password.

Once a customer account has been established, the order is filled out for the products to be purchased including quantity, method of payment (the credit card number may be established in the customer account so that it does not have to be inputted every time), shipping address, and method of shipment. When the order is completed, the order is passed onto the Order Processing system 30.

The Fraud Detection sub-system 310 performs a data integrity check such as whether each of the required fields of the order form are filled out, checksum test of the credit card number, etc. If the order fails the integrity check, the customer is prompted with an error message requiring to resubmit the order with the corrections. If the order passes the integrity check, then the order undergoes the gross fraud check.

The gross fraud check determines whether the customer has a history of defaulting on payments, whether the credit card number is a valid number, or is ordering from a "black-listed" location such as Romania or Russia. If the order fails the gross fraud check, the order is sent into a sorting bin. If the order passes the gross fraud check, the order is sent to a

commercially available fraud checking service such as
CyberSource®. CyberSource® processes the order information
and returns a fraud score. The fraud score is then compared
to a plurality of predetermined threshold 340 and used in
5 conjunction with other fraud rule based checks. If the order
fails, it is placed into the sorting bin. If the order
passes, it is sent to the Distributor Selection sub-system 330
for further processing.

As for the orders in the sort bin, the failed orders are
10 sorted between high risk and low risk orders such as whether
the order was from an account holder who has good credit
history from past purchases, whether the fraud score was too
high because the billing address did not match the address of
the credit card, etc. The plausible orders are then forwarded
15 to the Customer Service sub-system 340 from which the Customer
service representatives either contact the customer to clarify
the discrepancies or override the fraud checks and place them
into the processing bin to be sent to the Distributor
Selection sub-system 330 for further processing. The rest of
20 the failed orders are placed in the Fraud Database 730.

The Distributor Selection sub-system 330 sends the
product information (i.e., SKU and quantity) to each of the
distributors such as independent pick, pack, and ship
distributors and receives information on the products such as

availability and cost. The Distributor Selection sub-system 330 forwards this information to the Catalog Builder/Price Modeler 50 and profit margins are calculated. The Distributor Selection sub-system 330 then selects the distributor with, for example, the highest margin or other selected criteria for particular products and forwards the order electronically. Once the distributor fills the order, the Customer Service sub-system 340 receives or retrieves the order information such as the customer number, warehouse number, shipment date, shipment tracking information, invoice amounts, etc.

Customer Service sub-system 340 emails the customer within minutes after a valid order is received with a confirmation number. The Customer Service sub-system 340 emails the customer again when the order is shipped by the distributor or notifies the customer that the product is not available and has been placed on back order.

The preceding description has been presented only to illustrate and describe the invention. It is not intended to be exhaustive or to limit the invention to any precise form disclosed. Many modifications and variations are possible in light of the above teaching.

The preferred embodiment was chosen and described in order to best explain the principles of the invention and its practical application. The preceding description is intended

to enable others skilled in the art to best utilize the invention in various embodiments and with various modifications as are suited to the particular use contemplated. It is intended that the scope of the invention
5 be defined by the following claims.

RECEIVED

What is claimed is:

1. An improved internet-centric electronic transaction processor for automating and facilitating retail sale of ones
5 of a plurality of selected products to retail customers directly from a distributor of said products comprising:

a database for storing catalog-type product data for a plurality of selected products;

10 a communication interface for selectively permitting a retail customer to selectively access said catalog-type product data stored in said database;

an electronic order form for permitting said retail customer to place a purchase order for ones of said selected products;

15 an order processor for processing said purchase orders for ones of said selected products, said order processor including

20 a payment authorization processor for checking the credit worthiness of a purchase method of payment before said purchase order is authorized for fulfillment, said payment authorization processor having

a data integrity checker for checking the integrity of said order to determine if the purchase order should be accepted or rejected,

a sorting bin for storing the rejected purchase orders and sorting the rejected purchase orders to be altered and reprocessed.

5 3. An improved internet-centric electronic transaction processor of claim 2, where in rejected purchases are subjected to human review.

10 4. An improved internet-centric electronic transaction method executable by a computer for facilitating automated retail sales of ones of a plurality of selected products to retail customers directly from a distributor of said products comprising the steps of:

15 generating catalog-type product data for said products in a selectively addressable database;

 permitting ones of said retail customers to selectively access said product data stored in said database and allowing said retail customers to submit purchase orders of said selected products;

20 processing said purchase orders from ones of said retail customers by determining if said selected product is available from a distributor's inventory stock and authorizing the distributor to ship said selected product to said retail

customer in a manner that is transparent to the retail customer;

authorizing said purchase order based upon a credit worthiness check of information supplied by said retail customer in connection with said purchase order, said authorizing step including the steps of

performing a data integrity check to determine if the order should be accepted or rejected,

performing a gross fraud check on accepted orders using fraud information stored in said database initially determine if the order should be accepted or rejected,

performing a commercial fraud check on accepted orders to generate a fraud score, and

comparing the fraud score with a predetermined threshold to either accept or reject said purchase order;

and

billing said retail customer for said ordered product when said distributor has been authorized to ship such ordered product to said retail customer.

5. The improved internet-centric transaction method of claim 4, further including the step of

sorting bin for storing rejected product order data to minimize the number of rejected orders.

7. The improved internet-centric electronic transaction processor of claim 6 further comprising sorting means to further analyze said data relating to rejected orders and to dynamically alter said first set of credit criteria rules.

8. An improved internet-centric electronic transaction method executable by a computer for automating and facilitating retail sale of a plurality of selected products to retail customers directly from a distributor of said products, the method comprising the steps of:

generating a selectively addressable database of catalog-type product data;

permitting a plurality of retail customers to selectively address said catalog-type product data to enter a purchase order for one or more of said products;

conducting a first credit authorization check based upon a first set of credit authorization rules to generate either an order authorization command or order rejection command;

reviewing each credit rejection demand generated by said first credit authorization check; and

storing in a sorting bin customer order data for each credit rejection generated in said first credit authorization check.

- 5 9. The improved internet-centric electronic transaction method of claim 8 further comprising the step of sorting rejected order data to dynamically alter said first set of credit authorization rules to minimize the number of subsequent product orders rejected.

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

the specification of which

(check one)
X is attached hereto.

was filed on _____ as

Application Serial No.
and was amended on
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)			Priority Claimed	
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/104,831</u> (Application Serial No.)	<u>October 19, 1999</u> (Filing Date)	<u>pending</u> (Status) (patented, pending, abandoned)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

English Language Declaration

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

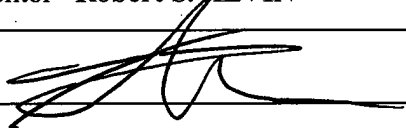
Ronald P. Kananen, Reg. No. 24,104; Ralph T. Rader, Reg. No. 28,772; Michael D. Fishman, Reg. No. 31,951; Richard D. Grauer, Reg. No. 22,388; Joseph V. Coppola, Sr., Reg. No. 33,373; Michael B. Stewart, Reg. No. 36,018; Steven L. Nichols, Reg. No. 40,326; Jeffrey L. Thompson, Reg. No. 37,025; David K. Benson, Reg. No. 42,314; and Paul W. Fish, Reg. No. 22,435.

Send Correspondence to:

Ronald P. Kananen, Esq.
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1233 20TH Street, N.W.
Washington, D.C. 20036

Direct telephone calls to:

Ronald P. Kananen, Esq.
(202) 955-3750

Full name of sole or first inventor	Robert S. ALVIN
Inventor's signature	 6/25/99 Date
Residence	Boulder Creek, CA
Citizenship	US
Post Office Address	187 Redwood Drive
	Boulder Creek, CA 95006
Full name of second joint inventor	
Second Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

**VERIFIED STATEMENT BY A NON-INVENTOR SUPPORTING
A CLAIM BY ANOTHER FOR SMALL ENTITY STATUS**

Docket Number (Optional)

HSI-006

Applicant or Patentee: Robert S. ALVIN

Serial or Patent No.: Not Yet Assigned

Filed or Issued: Herewith

Title: MULTILEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK

I hereby declare that I am making this verified statement to support a claim by Robert S. ALVIN for small entity status for purposes of paying reduced fees to the United States Patent and Trademark Office, regarding the invention described in:

- the specification filed herewith with title as listed above.
 the application identified above.
 the patent identified above.

I hereby declare that I would qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying fees to the United States Patent and Trademark Office, if I had made the above identified invention.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). Note: Separate verified statements are required from each person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- no such person, concern or organization exists.
 each such person, concern or organization is listed below.
HardwareStreet.com, Inc.
5190 Neil Road, Suite 305, Reno, Nevada 89502

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

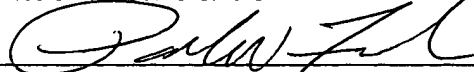
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further than these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Paul W. Fish (Reg. No. 22,435)

NAME OF PERSON SIGNING

Suite 501, 1233 20th Street, N.W., Washington, D.C. 20036

ADDRESS OF PERSON SIGNING



SIGNATURE

June 25, 1999

DATE

SERIAL NUMBER 09/343,550	FILING DATE 06/30/99	CLASS 705	GROUP ART UNIT 2761	ATTORNEY DOCKET NO. HSI-006
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APPLICANT ROBERT S. ALVIN, BOULDER CREEK, CA.

****CONTINUING DOMESTIC DATA*******
 VERIFIED PROVISIONAL APPLICATION NO. 60/104,831 10/19/98

****371 (NAT'L STAGE) DATA*******
 VERIFIED

****FOREIGN APPLICATIONS*******
 VERIFIED

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 07/22/99 ** SMALL ENTITY **

Foreign Priority claimed 35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	STATE OR COUNTRY CA	SHEETS DRAWING 5	TOTAL CLAIMS 9	INDEPENDENT CLAIMS 4
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ADDRESS RONALD P. KANANEN
 RADER, FISHMAN & GRAUER
 SUITE 501
 1233 20TH STREET, N.W.
 WASHINGTON DC 20036

TITLE MULTI-LEVEL FRAUD CHECK WITH DYNAMIC FEEDBACK FOR INTERNET BUSINESS TRANSACTION PROCESSOR

FILING FEE RECEIVED \$419	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT NO. _____ for the following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
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PATENT APPLICATION SERIAL NO. _____

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE
FEE RECORD SHEET

07/13/1999 HGORDON 00000018 180013 09343550
01 FC:201 380.00 CH
02 FC:202 39.00 CH

PATENT APPLICATION FEE DETERMINATION RECORD

Effective November 10, 1998

Application or Docket Number

CLAIMS AS FILED - PART I

(Column 1) (Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	9	minus 20 = *
INDEPENDENT CLAIMS	4	minus 3 = * 1
MULTIPLE DEPENDENT CLAIM PRESENT		

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

(Column 1) (Column 2) (Column 3)

AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*		Minus	**
Independent	*		Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					

(Column 1) (Column 2) (Column 3)

AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*		Minus	**
Independent	*		Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					

(Column 1) (Column 2) (Column 3)

AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
	Total	*		Minus	**
Independent	*		Minus	***	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM					

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
 ** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
 *** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
 The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE OR

OTHER THAN SMALL ENTITY

RATE	FEE		RATE	FEE
	380.00	OR		760.00
X\$ 9=		OR	X\$18=	
X39=	39	OR	X78=	
+130=		OR	+260=	
TOTAL	419	OR	TOTAL	

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X39=		OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X39=		OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 9=		OR	X\$18=	
X39=		OR	X78=	
+130=		OR	+260=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	