

AO 120 (Rev. 08/10)

TO: Mail Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court for the Western District of Texas Austin Division on the following

☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO.	1:23-cv-607	DATE FILED	5/30/2023	U.S. DISTRICT COURT for the Western District of Texas Austin Division
PLAINTIFF		DEFENDANT		
PACID TECHNOLOGIES, LLC		BANK OF AMERICA CORPORATION and BANK OF AMERICA, N.A.		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK		
1 9,577,993	2/21/2017	PACid Technologies, LLC		
2 9,876,771	1/23/2018	PACid Technologies, LLC		
3 10,044,689	8/7/2018	PACid Technologies, LLC		
4 10,171,433	1/1/2019	PACid Technologies, LLC		
5 10,484,344	11/19/2019	PACid Technologies, LLC		

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY		
	☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading		
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK	
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT

CLERK	(BY) DEPUTY CLERK	DATE

Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy

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PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 11,070,530	7/20/2021	PACId Technologies, LLC
2		
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY ☐ Amendment ☐ Answer ☐ Cross Bill ☐ Other Pleading	
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

DOCKET NO. 1:23-cv-251	DATE FILED 3/7/2023	U.S. DISTRICT COURT for the Western District of Texas Austin Division
PLAINTIFF PACID TECHNOLOGIES, LLC		DEFENDANT BANK OF AMERICA CORPORATION and BANK OF AMERICA, N.A.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 9,577,993	2/21/2017	PACid Technologies, LLC
2 9,876,771	1/23/2018	PACid Technologies, LLC
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4 10,171,433	1/1/2019	PACid Technologies, LLC
5 10,484,344	11/19/2019	PACid Technologies, LLC

In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	
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☐ Trademarks or ☒ Patents. (☐ the patent action involves 35 U.S.C. § 292.);

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PLAINTIFF PACID TECHNOLOGIES, LLC		DEFENDANT BANK OF AMERICA CORPORATION and BANK OF AMERICA, N.A.
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1 11,070,530	7/20/2021	PACid Technologies, LLC
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT
See attached Order Approving Notice of Voluntary Dismissal entered 06/12/2023

CLERK Philip J. Devlin	(BY) DEPUTY CLERK <i>my Vicka</i>	DATE 06/12/2023
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
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UNITED STATES DISTRICT COURT
WESTERN DISTRICT OF TEXAS
AUSTIN DIVISION

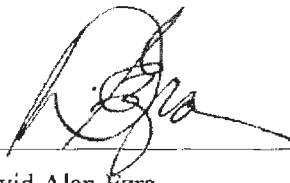
PACID TECHNOLOGIES, LLC,	§	No. 1:23-cv-00251
	§	
<i>Plaintiff,</i>	§	
	§	
vs.	§	
	§	
BANK OF AMERICA CORPORATION and	§	
BANK OF AMERICA, N.A.,	§	
	§	
<i>Defendants.</i>	§	
	§	
	§	
	§	

ORDER APPROVING NOTICE OF VOLUNTARY DISMISSAL

Before the Court is a Notice of Voluntary Dismissal filed by counsel for Plaintiff PACid Technologies, LLC. (Dkt. # 16.) Finding that the notice was filed before Defendants served an answer or a motion for summary judgment, the Court finds that the notice complies with Federal Rule of Civil Procedure 41(a)(1)(A)(i). Accordingly, all claims in the instant suit against Defendants are hereby **DISMISSED WITHOUT PREJUDICE**. The Clerk is **INSTRUCTED TO CLOSE THE CASE**.

IT IS SO ORDERED.

DATED: Austin, Texas, June 12, 2023.



David Alan Ezra
Senior United States District Judge

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DOCKET NO. 1:23-cv-607	DATE FILED 5/30/2023	U.S. DISTRICT COURT for the Western District of Texas Austin Division
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DECISION/JUDGEMENT

CLERK Philip J. Devlin	(BY) DEPUTY CLERK <i>Christina Cordero</i>	DATE 05/31/2023
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
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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 NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/547,459	07/20/2021	11070530	5101-0005-C8	2594

27571 7590 06/30/2021
Ascenda Law Group, PC
2150 N First Street
Suite 420
San Jose, CA 95131

ISSUE NOTIFICATION

The projected patent number and issue date are specified above.

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment is 148 day(s). Any patent to issue from the above-identified application will include an indication of the adjustment on the front page.

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment 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 Application Assistance Unit (AAU) of the Office of Data Management (ODM) at (571)-272-4200.

APPLICANT(s) (Please see PAIR WEB site <http://pair.uspto.gov> for additional applicants):

Guy Fielder, Austin, TX;
PACID TECHNOLOGIES, LLC, Midland, TX;

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 USA offers tremendous resources and advantages for those who invest and manufacture goods here. Through SelectUSA, our nation works to encourage and facilitate business investment. To learn more about why the USA is the best country in the world to develop technology, manufacture products, and grow your business, visit SelectUSA.gov.

PTO/SB/08a (07-09)

Approved for use through 07/31/2012. 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 contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date 08-21-2019	
				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
(Use as many sheets as necessary)					
Sheet	4	of	9	Attorney Docket No: 5101-0005-C8	

Change(s) applied
to document
/M.E.G/
3/30/2021

		20080263363	10/23/2008	JUENEMAN; Robert R.	
		20080270791	10/30/2008	NYSTROM; et al.	
		20090094520	04/09/2009	KULAS	
		20200042846	~~02/18/2010~~	~~FROTTER, et al.~~ Takahashi	02/2020
		20100070778	03/18/2010	MURRAY; et al.	
		20100122327	05/13/2010	LINECKER; et al.	
		20100217964	08/26/2010	PETERKA	

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. 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 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, 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 (1-800-786-9199) and select option 2.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /B.F.S/

Document Description: Issue Fee Payment (PTO-85B)

Issue Fee Transmittal Form

Application Number	Filing Date	First Named Inventor	Atty. Docket No.	Confirmation No.
16547459	21-Aug-2019	Guy Fielder	5101-0005-C8	2594

TITLE OF INVENTION :

SYSTEM AND METHOD FOR AUTHENTICATING USERS

Entity Status	Application Type	Art Unit	Class - Subclass	EXAMINER
Regular Undiscounted	Utility under 35 USC 111(a)	2491	168000	BRIAN SHAW
Issue Fee Due	Publication Due	Total Fee(s) Due	Date Due	Prev. Paid Fee
\$1200	\$0	\$1200	18-Jun-2021	\$0

1.Change of Correspondence Address and/or Indication Of Fee Address (37 CFR 1.33 & 1.363)

Current Correspondence Address:	Current Indicated Fee Address :
27571 Ascenda Law Group, PC 2150 N First Street Suite 420 San Jose CA 95131 UNITED STATES 408-799-0612 ~~patents@ascendallaw.com~~	
☐ Change of correspondence address requested, system generated AIA/122-EFS form attached	☐ Fee Address indication requested, system generated SB/47-EFS form attached

2.Entity Status**Change in Entity Status**

- Applicant certifying micro entity status; system generated Micro Entity certification form attached. See 37 CFR 1.29.
Note: Absent a valid certification of micro entity status, issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. If this box is checked, you will be prompted to choose a micro entity status on the gross income basis (37 CFR 1.29(a)) or the institution of higher education basis (37 CFR 1.29(d)), and make the applicable certification online.
- ☐ Applicant asserting small entity status. See 37 CFR 1.27.
Note: If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.
- ☒ Applicant changing to regular undiscounted fee status.
Note: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

Document Description: Issue Fee Payment (PTO-85B)

3.The Following Fee(s) Are Submitted:☒ Issue Fee☐ I authorize USPTO to apply my previously paid issue fee to the current fees due☐ Publication Fee☐ The Director is hereby authorized to apply my previously paid issue fee to the current fee due and to charge deficient fees to Deposit Account Number _____☐ Advance Order - # of copies _____

If **in addition to** the payment of the issue fee amount submitted with this form, there are any discrepancies in any amount(s) due, the Director is authorized to charge any deficiency, or credit any overpayment, to Deposit Account Number 505798.

☒ The **issue fee must be submitted** with this form. **If payment of the issue fee does not accompany this form, checking this box and providing a deposit account number will NOT be effective to satisfy full payment of the fee(s) due.**

4.Firm and/or Attorney Names To Be Printed**NOTE: If no name is listed, no name will be printed**

For printing on the patent front page, list to be displayed as entered

1. Ascenda Law Group, PC

2.

3.

5.Assignee Name(s) and Residence Data To Be Printed

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.

Name	City	State	Country	Category
PACID TECHNOLOGIES, LLC	Midland	TEXAS	united states	other

6.Signature

I certify, in accordance with 37 CFR 1.4(d)(4) that I am an attorney or agent registered to practice before the Patent and Trademark Office who has filed and has been granted power of attorney in this application. I also certify that this Fee(s) Transmittal form is being transmitted to the USPTO via EFS-WEB on the date indicated below.

Signature	/Tarek N. Fahmi/	Date	06-16-2021
Name	Tarek N. Fahmi	Registration Number	41402

Electronic Patent Application Fee Transmittal				
Application Number:		16547459		
Filing Date:		21-Aug-2019		
Title of Invention:		SYSTEM AND METHOD FOR AUTHENTICATING USERS		
First Named Inventor/Applicant Name:		Guy Fielder		
Filer:		Tarek N. Fahmi/Sarah Zizzo		
Attorney Docket Number:		5101-0005-C8		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPL ISSUE FEE	1501	1	1200	1200
PUBL. FEE- EARLY, VOLUNTARY, OR NORMAL	1504	1	0	0
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1200

Electronic Acknowledgement Receipt	
EFS ID:	43002304
Application Number:	16547459
International Application Number:	
Confirmation Number:	2594
Title of Invention:	SYSTEM AND METHOD FOR AUTHENTICATING USERS
First Named Inventor/Applicant Name:	Guy Fielder
Customer Number:	27571
Filer:	Tarek N. Fahmi/Sarah Zizzo
Filer Authorized By:	Tarek N. Fahmi
Attorney Docket Number:	5101-0005-C8
Receipt Date:	16-JUN-2021
Filing Date:	21-AUG-2019
Time Stamp:	13:17:04
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$ 1200
RAM confirmation Number	E20216FD17001974
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	Issue Fee Payment (PTO-85B)	Web85b.pdf	46052	no	2
			e751ade7991d10de623def935ae0b37a500cf8c3		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	32022	no	2
			11dbcc723f3bcbad3745d538a7a57b2948ecd4b24		
Warnings:					
Information:					
Total Files Size (in bytes):			78074		
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. <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. <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. <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.					

UNITED STATES PATENT AND TRADEMARK OFFICE
COMMISSIONER FOR PATENTS
P.O.BOX 1450
ALEXANDRIA VA 22313-1451

PRESORTED
FIRST-CLASS MAIL
U.S. POSTAGE PAID
POSTEDIGITAL
NNNNN

Ascenda Law Group, PC
2150 N First Street
Suite 420
San Jose, CA 95131



**Courtesy Reminder for
Application Serial No: 16/547,459**

Attorney Docket No: 5101-0005-C8

Customer Number: 27571

Date of Electronic Notification: 03/18/2021

This is a courtesy reminder that new correspondence is available for this application. If you have not done so already, please review the correspondence. The official date of notification of the outgoing correspondence will be indicated on the form PTOL-90 accompanying the correspondence.

An email notification regarding the correspondence was sent to the following email address(es) associated with your customer number:

patents@ascendalaw.com

tarek.fahmi@ascendalaw.com

To view your correspondence online or update your email addresses, please visit us anytime at **<https://ppair-my.uspto.gov/pair/PrivatePair>**.

If you have any questions, please email the Electronic Business Center (EBC) at EBC@uspto.gov or call 1-866-217-9197.



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

NOTICE OF ALLOWANCE AND FEE(S) DUE

27571 7590 03/18/2021
Ascenda Law Group, PC
2150 N First Street
Suite 420
San Jose, CA 95131

EXAMINER

SHAW, BRIAN F

ART UNIT PAPER NUMBER

2491

DATE MAILED: 03/18/2021

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/547,459	08/21/2019	Guy Fielder	5101-0005-C8	2594

TITLE OF INVENTION: SYSTEM AND METHOD FOR AUTHENTICATING USERS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	06/18/2021

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 ENTITY STATUS shown above. If the ENTITY STATUS is shown as SMALL or MICRO, verify whether entitlement to that entity status still applies.

If the ENTITY STATUS is the same as shown above, pay the TOTAL FEE(S) DUE shown above.

If the ENTITY STATUS is changed from that shown above, on PART B - FEE(S) TRANSMITTAL, complete section number 5 titled "Change in Entity Status (from status indicated above)".

For purposes of this notice, small entity fees are 1/2 the amount of undiscounted fees, and micro entity fees are 1/2 the amount of small entity fees.

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: Maintenance fees are due in utility patents issuing on applications filed on or after Dec. 12, 1980. It is patentee's responsibility to ensure timely payment of maintenance fees when due. More information is available at www.uspto.gov/PatentMaintenanceFees.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), by mail or fax, or via EFS-Web.

By mail, send to: Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

By fax, send to: (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)

27571 7590 03/18/2021
Ascenda Law Group, PC
2150 N First Street
Suite 420
San Jose, CA 95131

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.

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 transmitted to the USPTO via EFS-Web or by facsimile to (571) 273-2885, on the date below.

(Typed or printed name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/547,459	08/21/2019	Guy Fielder	5101-0005-C8	2594

TITLE OF INVENTION: SYSTEM AND METHOD FOR AUTHENTICATING USERS

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	UNDISCOUNTED	\$1200	\$0.00	\$0.00	\$1200	06/18/2021

EXAMINER	ART UNIT	CLASS-SUBCLASS
SHAW, BRIAN F	2491	713-168000

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 03-09 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,

(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.

1 _____
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 must have been previously recorded, or filed for recordation, as set forth in 37 CFR 3.11 and 37 CFR 3.81(a). 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. Fees submitted: ☐ Issue Fee ☐ Publication Fee (if required) ☐ Advance Order - # of Copies _____

4b. Method of Payment: (Please first reapply any previously paid fee shown above)

☐ Electronic Payment via EFS-Web ☐ Enclosed check ☐ Non-electronic payment by credit card (Attach form PTO-2038)

☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment to Deposit Account No. _____

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29

☐ Applicant asserting small entity status. See 37 CFR 1.27

☐ Applicant changing to regular undiscounted fee status.

NOTE: Absent a valid certification of Micro Entity Status (see forms PTO/SB/15A and 15B), issue fee payment in the micro entity amount will not be accepted at the risk of application abandonment. **NOTE:** If the application was previously under micro entity status, checking this box will be taken to be a notification of loss of entitlement to micro entity status.

NOTE: Checking this box will be taken to be a notification of loss of entitlement to small or micro entity status, as applicable.

NOTE: This form must be signed in accordance with 37 CFR 1.31 and 1.33. See 37 CFR 1.4 for signature requirements and certifications.

Authorized Signature _____ Date _____
Typed or printed name _____ Registration No. _____



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 NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
16/547,459	08/21/2019	Guy Fielder	5101-0005-C8	2594
27571	7590	03/18/2021	EXAMINER	
Ascenda Law Group, PC			SHAW, BRIAN F	
2150 N First Street			ART UNIT	
Suite 420			PAPER NUMBER	
San Jose, CA 95131			2491	

DATE MAILED: 03/18/2021

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (Applications filed on or after May 29, 2000)

The Office has discontinued providing a Patent Term Adjustment (PTA) calculation with the Notice of Allowance.

Section 1(h)(2) of the AIA Technical Corrections Act amended 35 U.S.C. 154(b)(3)(B)(i) to eliminate the requirement that the Office provide a patent term adjustment determination with the notice of allowance. See Revisions to Patent Term Adjustment, 78 Fed. Reg. 19416, 19417 (Apr. 1, 2013). Therefore, the Office is no longer providing an initial patent term adjustment determination with the notice of allowance. The Office will continue to provide a patent term adjustment determination with the Issue Notification Letter that is mailed to applicant approximately three weeks prior to the issue date of the patent, and will include the patent term adjustment on the patent. Any request for reconsideration of the patent term adjustment determination (or reinstatement of patent term adjustment) should follow the process outlined in 37 CFR 1.705.

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.

OMB Clearance and PRA Burden Statement for PTOL-85 Part B

The Paperwork Reduction Act (PRA) of 1995 requires Federal agencies to obtain Office of Management and Budget approval before requesting most types of information from the public. When OMB approves an agency request to collect information from the public, OMB (i) provides a valid OMB Control Number and expiration date for the agency to display on the instrument that will be used to collect the information and (ii) requires the agency to inform the public about the OMB Control Number's legal significance in accordance with 5 CFR 1320.5(b).

The information collected by PTOL-85 Part B 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 30 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.** 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.

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.
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).
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.

Notice of Allowability	Application No. 16/547,459	Applicant(s) Felder, Guy	
	Examiner BRIAN F SHAW	Art Unit 2491	AIA (FITF) Status No

-- 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 03/11/2021.
☐ A declaration(s)/affidavit(s) under **37 CFR 1.130(b)** was/were filed on _____.

2. ☐ An election was made by the applicant in response to a restriction requirement set forth during the interview on _____; the restriction requirement and election have been incorporated into this action.

3. ☒ The allowed claim(s) is/are 1-12. As a result of the allowed claim(s), you may be eligible to benefit from the **Patent Prosecution Highway** program at a participating intellectual property office for the corresponding application. For more information, please see http://www.uspto.gov/patents/init_events/pph/index.jsp or send an inquiry to PPHfeedback@uspto.gov.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

Certified copies:

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.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
☐ 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)	5. ☐ Examiner's Amendment/Comment
2. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____.	6. ☒ Examiner's Statement of Reasons for Allowance
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.	7. ☐ Other _____.
4. ☒ Interview Summary (PTO-413), Paper No./Mail Date. <u>20210311</u> .	

/BRIAN F SHAW/ Primary Examiner, Art Unit 2491	
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Notice of Pre-AIA or AIA Status

The present application is being examined under the pre-AIA first to invent provisions.

Reasons For Allowance

1. Claims 1 – 12 are allowed.
2. The following is an examiner's statement of reasons for allowance:

The claims are allowable over the prior art since the prior art references, which include Applicant's own work, taken individually or in combination fail to particularly disclose, fairly suggest, or render obvious Applicant's novel aspect and claim language, combined with the whole, of generate a secret in response to the computing device receiving a unique user input, and to store said secret at the computing device along with an identifier so as to be retrievable when said unique user input is again provided by a user of the computing device; upon receipt of a first communication including said identifier associated with the secret, prompt the user of the computing device for said unique user input; in response to receiving said unique user input, verify said unique user input; and in response to verifying said unique user input, transmit via a communication interface of the computing device to a remote computer-based station a second communication encoded using the secret, said second communication to authenticate the user to the remote computer-based station.

Fielder_6049612 (US Patent No. 6049612 A1) is relied upon to teach the secret is generated and stored with the identifier in a directory (reads on the constant value is stored in the encrypted information file, see Fielder_6049612 Figure 5); however, Fielder_6049612 does not teach Applicant's novel claim language.

Fielder_5995624 (US Patent No. 5995624 A1) is relied upon to teach transmitting a secret encoded communication (reads on encrypting all exchanges between the systems, see Fielder_5995624 col. 10 lines 13 – 34); however Fielder_5995624 does not remedy the deficiencies of the prior art of record.

Matyas (US Patent No. 5953420) is relied upon to teach generating, by an application running on a computing device and according to a unique user input, a secret (see Matyas Figure 2); however, integrating the teachings of Matyas do not remedy the deficiencies of the previous references.

Accordingly, the prior art does not suggest Applicant's independent claim language.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Shaw whose telephone number is (571) 270-5191. The examiner can normally be reached on Mon-Thurs from 6:00 AM-3:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ashok Patel can be reached on (571) 272-3972. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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). If you would like assistance from a USPTO

Application/Control Number: 16/547,459
Art Unit: 2491

Page 4

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/BRIAN F SHAW/
Primary Examiner, Art Unit 2491

<i>Examiner-Initiated Interview Summary</i>	Application No. 16/547,459	Applicant(s) Fielder, Guy		
	Examiner BRIAN F SHAW	Art Unit 2491	AIA (First Inventor to File) Status No	Page 1 of 1

All Participants (applicant, applicants representative, PTO personnel)	Title	Type
BRIAN F SHAW	Primary Examiner	Telephonic
Tarek N. Fahmi	Attorney of Record	

Date of Interview: 11 March 2021

Issues Discussed:

Election/Restriction

The Examiner and Applicant's representative discussed the need for all claims to have the same allowable subject matter. Firm agreement was reached on canceling non-conforming claims.

Non-statutory Double Patenting

The Examiner and Applicant's representative discussed the need for four terminal disclaimers. Firm agreement was reached.

/BRIAN F SHAW/ Primary Examiner, Art Unit 2491	
Applicant is reminded that a complete written statement as to the substance of the interview must be made of record in the application file. It is the applicants responsibility to provide the written statement, unless the interview was initiated by the Examiner and the Examiner has indicated that a written summary will be provided. See MPEP 713.04 Please further see: MPEP 713.04 Title 37 Code of Federal Regulations (CFR) § 1.133 Interviews, paragraph (b) 37 CFR § 1.2 Business to be transacted in writing	

Applicant recordation instructions: It is not necessary for applicant to provide a separate record of the substance of interview.

Examiner recordation instructions: Examiners must summarize the substance of any interview of record. A complete and proper recordation of the substance of an interview should include the items listed in MPEP 713.04 for complete and proper recordation including the identification of the general thrust of each argument or issue discussed, a general indication of any other pertinent matters discussed regarding patentability and the general results or outcome of the interview, to include an indication as to whether or not agreement was reached on the issues raised.

Issue Classification 	Application/Control No. 16/547,459	Applicant(s)/Patent Under Reexamination Fielder, Guy
	Examiner BRIAN F SHAW	Art Unit 2491

CPC						
Symbol					Type	Version
H04L	/	63	/	0428	F	2013-01-01
G06F	/	21	/	62	I	2013-01-01
G06F	/	21	/	6209	I	2013-01-01
H04L	/	9	/	0894	I	2013-01-01
H04L	/	9	/	14	I	2013-01-01
H05K	/	999	/	99	I	2013-01-01
G06F	/	2221	/	2123	A	2013-01-01
H04L	/	2209	/	24	A	2013-01-01
H04L	/	2463	/	121	A	2013-01-01

CPC Combination Sets					
Symbol	Type	Set	Ranking	Version	
/					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	12	
/BRIAN F SHAW/ Primary Examiner, Art Unit 2491	11 March 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

Issue Classification 	Application/Control No. 16/547,459	Applicant(s)/Patent Under Reexamination Fielder, Guy
	Examiner BRIAN F SHAW	Art Unit 2491

INTERNATIONAL CLASSIFICATION			
CLAIMED			
H04L	/	29	/ 06
NON-CLAIMED			
/		/	

US ORIGINAL CLASSIFICATION	
CLASS	SUBCLASS

CROSS REFERENCES(S)						
CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)					

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	12	
/BRIAN F SHAW/ Primary Examiner, Art Unit 2491	11 March 2021	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	1	3

<i>Issue Classification</i> 	Application/Control No. 16/547,459	Applicant(s)/Patent Under Reexamination Fielder, Guy
	Examiner BRIAN F SHAW	Art Unit 2491

☒ Claims renumbered in the same order as presented by applicant ☐ CPA ☒ T.D. ☐ R.1.47															
CLAIMS															
Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original	Final	Original

NONE (Assistant Examiner) _____ (Date) _____		Total Claims Allowed: 12	
/BRIAN F SHAW/ Primary Examiner, Art Unit 2491 (Primary Examiner) _____ (Date) 11 March 2021		O.G. Print Claim(s) 1	O.G. Print Figure 3

<i>Search Notes</i> 	Application/Control No. 16/547,459	Applicant(s)/Patent Under Reexamination Fielder, Guy
	Examiner BRIAN F SHAW	Art Unit 2491

CPC - Searched*		
Symbol	Date	Examiner
H04L63/08,0428,20,10	03/11/2021	BS
H04L9/0861,14,0894	03/11/2021	BS
G06F21/6209,62	03/11/2021	BS
h04l2209/24	03/11/2021	BS
G06F2221/2107	03/11/2021	BS
H05K999/99	03/11/2021	BS
G06F2221/2123	03/11/2021	BS
H04L2209/24	03/11/2021	BS
H04L2463/121	03/11/2021	BS

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner
713	168,193,181,165	03/11/2021	BS
370	338	03/11/2021	BS
726	1,26,17,21,4	03/11/2021	BS
380	44,278	03/11/2021	BS
709	231	03/11/2021	BS

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

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<i>Search Notes</i> 	Application/Control No. 16/547,459	Applicant(s)/Patent Under Reexamination Fielder, Guy
	Examiner BRIAN F SHAW	Art Unit 2491

Search Notes		
Search Notes	Date	Examiner
	03/11/2021	BS
	03/11/2021	BS
	03/11/2021	BS

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04L63/ 08,0428,20,10		03/11/2021	BS
H04L9/ 0861,14,0894		03/11/2021	BS
G06F21/ 6209,62		03/11/2021	BS
h04l2209/24		03/11/2021	BS
G06F2221/ 2107		03/11/2021	BS
H05K999/99		03/11/2021	BS
G06F2221/ 2123		03/11/2021	BS
H04L2209/24		03/11/2021	BS
H04L2463/121		03/11/2021	BS

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999,647 results

Top 1500 results

1. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: PACID TECH LLC
US10644689 | US PATENTS | 07-AUG-2018
2. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: PACID TECH LLC
US9876771 | US PATENTS | 23-JAN-2018
3. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: EBACKPACK LLC (F+I)
US20160309844 | US APPLICATIONS | 20-OCT-2016
4. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: EBACKPACK LLC (F+I)
US9577993 | US PATENTS | 21-FEB-2017
5. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: PACID TECH LLC
US20180103015 | US APPLICATIONS | 12-APR-2018
6. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: PACID TECH LLC
US10171433 | US PATENTS | 01-JAN-2019
7. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: PACID TECH LLC
US20180246852 | US APPLICATIONS | 30-AUG-2018
8. **System and method for authenticating users**

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device; on...

CURRENT ASSIGNEES: PACID TECH LLC
US10484344 | US PATENTS | 19-NOV-2019

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	
		Filing Date	08-21-2019
		First Named Inventor	Guy Fielder
		Art Unit	
		Examiner Name	
(Use as many sheets as necessary)			
Sheet	1	of	9
		Attorney Docket No: 5101-0005-C8	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
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Sheet	2	of	9	Attorney Docket No: 5101-0005-C8	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	
				Filing Date 08-21-2019	
				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
(Use as many sheets as necessary)					
Sheet	8	of	9	Attorney Docket No: 5101-0005-C8	

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	
		Filing Date	08-21-2019
		First Named Inventor	Guy Fielder
		Art Unit	
		Examiner Name	
(Use as many sheets as necessary)			
Sheet	9	of	9
		Attorney Docket No: 5101-0005-C8	

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EXAMINER SIGNATURE /BRIAN F SHAW/**DATE CONSIDERED** 03/11/2021

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	
				Filing Date 08-21-2019	
				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
Sheet	10	of	9	Attorney Docket No: 5101-0005-C8	

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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- ☒ See attached certification statement.

- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

- ☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Tarek N. Fahmi/	Date (YYYY-MM-DD)	2019-08-21
Name/Print	Tarek N. Fahmi	Registration Number	41402

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Bibliographic Data

Application No: 16/547,459

Foreign Priority claimed: ☐ Yes ☒ No

35 USC 119 (a-d) conditions met: ☐ Yes ☒ No ☐ Met After Allowance

Verified and Acknowledged:

/BRIAN F SHAW/

Examiner's Signature

Initials

Title:

SYSTEM AND METHOD FOR AUTHENTICATING USERS

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
08/21/2019	713	2491	5101-0005-C8
RULE			

APPLICANTS

PACID TECHNOLOGIES, LLC, Midland, TX, UNITED STATES

INVENTORS

Guy Fielder, Austin, TX, UNITED STATES

CONTINUING DATA

This application is a CON of 16213025 12/07/2018 PAT 10484344

16213025 is a CON of 15961640 04/24/2018 PAT 10171433

15961640 is a CON of 15839144 12/12/2017 PAT 10044689

15839144 is a CON of 15399983 01/06/2017 PAT 9876771

15399983 is a CON of 15195606 06/28/2016 PAT 9577993

15195606 is a CON of 14861630 09/22/2015 PAT 9411972

14861630 is a CON of 14228463 03/28/2014 PAT 9165153

14228463 is a CON of 13203327 08/25/2011 PAT 8726032

13203327 is a 371 of PCT/US10/28562 03/25/2010

PCT/US10/28562 has PRO of 61163406 03/25/2009

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L4706	22	("4649233" "4720860" "4864615" "4924515" "4937866" "5020105" "5060263" "5065429" "5068894" "5153919" "5233655" "5237610" "5241598" "5309516" "5355413" "5361062" "5367572" "5475758" "5475826" "5481611" "5495533" "5638448").PN.	(US-PGPUB ; USPAT)	OR	OFF	OFF	2019/07/04 09:07 PM
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L4723	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
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L4740	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
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L4754	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4755	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4756	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4757	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4758	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4759	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L4760	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4761	268	L68 NOT L57	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4762	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4763	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4764	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4765	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4766	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4767	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4768	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4769	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4770	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4771	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4772	28	L77 AND L79	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4773	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4774	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4775	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4776	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4777	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4778	2	L85 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4779	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4780	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4781	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4782	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4783	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4784	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4785	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4786	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4787	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4788	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4789	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4790	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4791	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4792	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4793	10	L106 AND L107	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4794	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4795	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4796	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4797	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4798	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4799	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4800	0	matyas.in. AND L114	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4801	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4802	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4803	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L4804	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4805	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4806	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4807	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4808	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4809	268	L123 NOT L112	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4810	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4811	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4812	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4813	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4814	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4815	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4816	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4817	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4818	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4819	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4820	28	L132 AND L134	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4821	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4822	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4823	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4824	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4825	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4826	2	L140 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4827	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4828	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4829	10	L142 AND L143	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4830	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4831	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4832	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4833	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4834	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4835	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4836	0	matyas.in. AND L150	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4837	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4838	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4839	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4840	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4841	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4842	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4843	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L4844	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4845	268	L159 NOT L148	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4846	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4847	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4848	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4849	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4850	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4851	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4852	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4853	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4854	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4855	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4856	28	L168 AND L170	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4857	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4858	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4859	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4860	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4861	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4862	2	L176 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4863	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4864	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4865	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4866	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4867	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4868	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4869	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4870	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4871	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4872	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4873	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4874	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4875	35490	algorithm SAME key SAME (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4876	7100	algorithm NEAR5 key NEAR5 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4877	301651	("713"/.clas. OR "726"/.clas. OR "380"/.clas.)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4878	2313	L191 AND L192	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4879	881	L193 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4880	3168	algorithm NEAR3 key NEAR3 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4881	1029	L195 AND L192	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4882	342	L196 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4883	299	algorithm NEAR3 key NEAR3 ((digest OR hash OR checksum) NEAR2 (result OR value))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4884	101	L198 AND L192	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4885	26	L198 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4886	79	L199 NOT L200	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4887	996	key NEAR3 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4888	384	L202 AND L192	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4889	329	L202 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4890	167	L204 AND L192	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4891	163	L205 NOT L198	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4892	0	key ADJ comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4893	0	key NEAR2 comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4894	3	key NEAR2 comprises NEAR2(algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4895	29	key NEAR4 comprises NEAR4 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4896	50	key NEAR6 comprises NEAR6 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4897	78	key NEAR8 comprises NEAR8 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4898	4450	key WITH comprises WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4899	1390	key NEAR8 comprises NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4900	62	L214 SAME (hash OR digest)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4901	21	((hash OR digest) NEAR3 (Result OR value)) NEAR5 (security ADJ association)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4902	4636	key WITH (consist OR comprise) WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4903	1516	key NEAR8 (consist OR comprise) NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4904	83	key NEAR8 (consist OR comprise) NEAR8 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4905	599	key NEAR4 vector NEAR4 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4906	182	key NEAR2 vector NEAR2 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4907	0	key NEAR2 vector NEAR2 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4908	40	key NEAR8 vector NEAR8 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4909	3	(hash OR digest) NEAR8 (crypto ADJ sync)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4910	99	((hash OR digest) NEAR4 (Result OR value)) NEAR8 ((crypto ADJ sync) OR (encrypt\$6 NEAR3 parameter))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4911	0	placid.in. AND hash	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4912	0	placid.as. AND ((digest OR hash) SAME algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4913	0	placid.as. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4914	0	placid.as. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4915	105	fielder.in. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4916	76	fielder.in. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4917	76	(fielder.in. OR alito.in.) AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4918	51144	713/168,171,181.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4919	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4920	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4921	10	L248 AND L249	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4922	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4923	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4924	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4925	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4926	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4927	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4928	0	matyas.in. AND L256	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4929	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4930	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4931	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L4932	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4933	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4934	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4935	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4936	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4937	268	L265 NOT L254	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4938	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4939	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4940	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4941	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4942	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4943	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4944	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4945	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4946	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4947	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4948	28	L274 AND L276	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4949	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4950	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4951	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4952	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4953	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4954	2	L282 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4955	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4956	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4957	10	L284 AND L285	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4958	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4959	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4960	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4961	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4962	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4963	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4964	0	matyas.in. AND L292	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4965	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4966	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4967	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4968	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4969	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4970	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4971	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L4972	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4973	268	L301 NOT L290	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4974	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4975	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4976	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4977	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4978	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4979	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4980	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4981	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4982	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4983	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4984	28	L310 AND L312	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L4985	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4986	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4987	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4988	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4989	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4990	2	L318 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4991	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4992	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4993	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4994	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4995	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4996	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4997	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4998	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4999	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5000	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5001	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5002	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5003	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5004	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5005	10	L332 AND L333	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5006	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5007	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5008	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5009	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5010	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5011	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5012	0	matyas.in. AND L340	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5013	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5014	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5015	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5016	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5017	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5018	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5019	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5020	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5021	268	L349 NOT L338	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5022	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5023	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5024	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5025	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5026	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5027	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5028	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5029	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5030	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5031	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5032	28	L358 AND L360	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5033	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5034	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5035	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5036	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5037	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5038	2	L366 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5039	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5040	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5041	10	L368 AND L369	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5042	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5043	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5044	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5045	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5046	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5047	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5048	0	matyas.in. AND L376	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5049	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5050	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5051	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5052	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5053	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5054	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5055	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5056	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5057	268	L385 NOT L374	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5058	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5059	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5060	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5061	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5062	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5063	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5064	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5065	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5066	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5067	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5068	28	L394 AND L396	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5069	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5070	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5071	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5072	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5073	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5074	2	L402 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5075	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5076	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5077	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5078	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5079	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5080	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5081	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5082	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5083	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5084	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5085	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5086	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5087	35490	algorithm SAME key SAME (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5088	7100	algorithm NEAR5 key NEAR5 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5089	301651	("713"/.clas. OR "726"/.clas. OR "380"/.clas.)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5090	2313	L417 AND L418	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5091	881	L419 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5092	3168	algorithm NEAR3 key NEAR3 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5093	1029	L421 AND L418	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5094	342	L422 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5095	299	algorithm NEAR3 key NEAR3 ((digest OR hash OR checksum) NEAR2 (result OR value))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5096	101	L424 AND L418	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5097	26	L424 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5098	79	L425 NOT L426	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5099	996	key NEAR3 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5100	384	L428 AND L418	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5101	329	L428 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5102	167	L430 AND L418	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5103	163	L431 NOT L424	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5104	0	key ADJ comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5105	0	key NEAR2 comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5106	3	key NEAR2 comprises NEAR2 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5107	29	key NEAR4 comprises NEAR4 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5108	50	key NEAR6 comprises NEAR6 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5109	78	key NEAR8 comprises NEAR8 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5110	4450	key WITH comprises WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5111	1390	key NEAR8 comprises NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5112	62	L440 SAME (hash OR digest)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5113	21	((hash OR digest) NEAR3 (Result OR value)) NEAR5 (security ADJ association)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5114	4636	key WITH (consist OR comprise) WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5115	1516	key NEAR8 (consist OR comprise) NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5116	83	key NEAR8 (consist OR comprise) NEAR8 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5117	599	key NEAR4 vector NEAR4 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5118	182	key NEAR2 vector NEAR2 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5119	0	key NEAR2 vector NEAR2 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5120	40	key NEAR8 vector NEAR8 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5121	3	(hash OR digest) NEAR8 (crypto ADJ sync)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5122	99	((hash OR digest) NEAR4 (Result OR value)) NEAR8 ((crypto ADJ sync) OR (encrypt\$6 NEAR3 parameter))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5123	0	placid.in. AND hash	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5124	0	placid.as. AND ((digest OR hash) SAME algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5125	0	placid.as. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5126	0	placid.as. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5127	105	fielder.in. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5128	76	fielder.in. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5129	76	(fielder.in. OR alito.in.) AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5130	61943	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5131	82902	713/168,169,171,181,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5132	2	("7233997").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5133	21	(file\$3name OR (file ADJ name)) AND "7233997"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5134	2	("7284243").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5135	4	("0725812").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5136	12	("1949270").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5137	3	("20070100913").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5138	61943	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5139	4441	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5140	337	L495 AND L496	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5141	76	fielder.in. AND ((digest OR hash OR checksum) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5142	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5143	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5144	10	L499 AND L500	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5145	1348	((hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5146	1348	((hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5147	628	((hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5148	474	((hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5149	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5150	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5151	0	matyas.in. AND L507	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5152	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5153	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5154	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5155	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5156	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5157	1426	((hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5158	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5159	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5160	268	L516 NOT L505	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5161	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5162	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5163	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5164	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5165	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5166	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5167	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5168	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5169	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5170	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5171	28	L525 AND L527	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5172	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5173	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5174	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5175	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5176	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5177	2	L533 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5178	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5179	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5180	10	L535 AND L536	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5181	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5182	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5183	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5184	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5185	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5186	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5187	0	matyas.in. AND L543	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5188	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5189	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5190	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5191	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5192	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5193	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5194	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5195	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5196	268	L552 NOT L541	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5197	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5198	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5199	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5200	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5201	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5202	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5203	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5204	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5205	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5206	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5207	28	L561 AND L563	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5208	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5209	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5210	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5211	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5212	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5213	2	L569 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5214	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5215	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5216	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5217	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5218	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5219	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5220	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5221	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5222	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5223	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5224	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5225	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5226	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5227	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5228	10	L583 AND L584	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5229	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5230	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5231	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5232	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5233	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5234	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5235	0	matyas.in. AND L591	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5236	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5237	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5238	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5239	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5240	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5241	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5242	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5243	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5244	268	L600 NOT L589	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5245	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5246	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5247	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5248	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5249	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5250	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5251	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5252	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5253	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5254	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5255	28	L609 AND L611	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5256	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5257	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5258	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5259	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5260	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5261	2	L617 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5262	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5263	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5264	10	L619 AND L620	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5265	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5266	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5267	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5268	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5269	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5270	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5271	0	matyas.in. AND L627	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5272	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5273	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5274	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5275	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5276	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5277	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5278	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5279	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5280	268	L636 NOT L625	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5281	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5282	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5283	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5284	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5285	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5286	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5287	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5288	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5289	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5290	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5291	28	L645 AND L647	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5292	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5293	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5294	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5295	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5296	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5297	2	L653 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5298	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5299	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5300	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5301	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5302	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5303	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5304	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5305	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5306	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5307	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5308	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5309	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5310	35490	algorithm SAME key SAME (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5311	7100	algorithm NEAR5 key NEAR5 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5312	301651	("713"/.clas. OR "726"/.clas. OR "380"/.clas.)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5313	2313	L668 AND L669	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5314	881	L670 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5315	3168	algorithm NEAR3 key NEAR3 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5316	1029	L672 AND L669	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5317	342	L673 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5318	299	algorithm NEAR3 key NEAR3 ((digest OR hash OR checksum) NEAR2 (result OR value))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5319	101	L675 AND L669	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5320	26	L675 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5321	79	L676 NOT L677	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5322	996	key NEAR3 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5323	384	L679 AND L669	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5324	329	L679 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5325	167	L681 AND L669	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5326	163	L682 NOT L675	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5327	0	key ADJ comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5328	0	key NEAR2 comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5329	3	key NEAR2 comprises NEAR2(algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5330	29	key NEAR4 comprises NEAR4 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5331	50	key NEAR6 comprises NEAR6 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5332	78	key NEAR8 comprises NEAR8 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5333	4450	key WITH comprises WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5334	1390	key NEAR8 comprises NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5335	62	L691 SAME (hash OR digest)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5336	21	((hash OR digest) NEAR3 (Result OR value)) NEAR5 (security ADJ association)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5337	4636	key WITH (consist OR comprise) WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5338	1516	key NEAR8 (consist OR comprise) NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5339	83	key NEAR8 (consist OR comprise) NEAR8 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5340	599	key NEAR4 vector NEAR4 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5341	182	key NEAR2 vector NEAR2 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5342	0	key NEAR2 vector NEAR2 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5343	40	key NEAR8 vector NEAR8 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5344	3	(hash OR digest) NEAR8 (crypto ADJ sync)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5345	99	((hash OR digest) NEAR4 (Result OR value)) NEAR8 ((crypto ADJ sync) OR (encrypt\$6 NEAR3 parameter))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5346	0	placid.in. AND hash	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5347	0	placid.as. AND ((digest OR hash) SAME algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5348	0	placid.as. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5349	0	placid.as. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5350	105	fielder.in. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5351	76	fielder.in. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5352	76	(fielder.in. OR alito.in.) AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5353	51144	713/168,171,181.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5354	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5355	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5356	10	L711 AND L712	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5357	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5358	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5359	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5360	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5361	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5362	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5363	0	matyas.in. AND L719	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5364	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5365	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5366	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5367	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5368	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5369	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5370	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5371	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5372	268	L728 NOT L717	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5373	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5374	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5375	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5376	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5377	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5378	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5379	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5380	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5381	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5382	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5383	28	L737 AND L739	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5384	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5385	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5386	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5387	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5388	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5389	2	L745 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5390	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5391	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5392	10	L747 AND L748	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5393	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5394	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5395	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5396	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5397	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5398	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5399	0	matyas.in. AND L755	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5400	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5401	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5402	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5403	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5404	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5405	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5406	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5407	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5408	268	L764 NOT L753	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5409	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5410	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5411	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5412	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5413	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5414	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5415	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5416	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5417	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5418	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5419	28	L773 AND L775	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5420	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5421	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5422	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5423	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5424	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5425	2	L781 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5426	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5427	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5428	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5429	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5430	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5431	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5432	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5433	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5434	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5435	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5436	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5437	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5438	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5439	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5440	10	L795 AND L796	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5441	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5442	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5443	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5444	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5445	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5446	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5447	0	matyas.in. AND L803	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5448	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5449	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5450	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5451	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5452	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5453	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5454	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5455	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5456	268	L812 NOT L801	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5457	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5458	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5459	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5460	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5461	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5462	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5463	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5464	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5465	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5466	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5467	28	L821 AND L823	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5468	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5469	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5470	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5471	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5472	4	(US-20040177058-\$).did. or (US-6049612-\$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5473	2	L829 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5474	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5475	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5476	10	L831 AND L832	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5477	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5478	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5479	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5480	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5481	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5482	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5483	0	matyas.in. AND L839	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5484	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5485	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5486	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5487	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5488	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5489	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5490	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5491	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5492	268	L848 NOT L837	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5493	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5494	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5495	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5496	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5497	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5498	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5499	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5500	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5501	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5502	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5503	28	L857 AND L859	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5504	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5505	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5506	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5507	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5508	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5509	2	L865 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5510	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5511	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5512	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5513	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5514	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5515	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5516	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5517	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5518	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5519	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5520	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5521	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5522	35490	algorithm SAME key SAME (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5523	7100	algorithm NEAR5 key NEAR5 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5524	301651	("713"/.clas. OR "726"/.clas. OR "380"/.clas.)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5525	2313	L880 AND L881	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5526	881	L882 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5527	3168	algorithm NEAR3 key NEAR3 (digest OR hash OR checksum)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5528	1029	L884 AND L881	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5529	342	L885 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5530	299	algorithm NEAR3 key NEAR3 ((digest OR hash OR checksum) NEAR2 (result OR value))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5531	101	L887 AND L881	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5532	26	L887 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5533	79	L888 NOT L889	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5534	996	key NEAR3 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5535	384	L891 AND L881	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5536	329	L891 AND @RLAD<="20090325"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5537	167	L893 AND L881	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5538	163	L894 NOT L887	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5539	0	key ADJ comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5540	0	key NEAR2 comprises ADJ (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5541	3	key NEAR2 comprises NEAR2(algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5542	29	key NEAR4 comprises NEAR4 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5543	50	key NEAR6 comprises NEAR6 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5544	78	key NEAR8 comprises NEAR8 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5545	4450	key WITH comprises WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5546	1390	key NEAR8 comprises NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5547	62	L903 SAME (hash OR digest)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5548	21	((hash OR digest) NEAR3 (Result OR value)) NEAR5 (security ADJ association)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5549	4636	key WITH (consist OR comprise) WITH (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5550	1516	key NEAR8 (consist OR comprise) NEAR8 (association OR (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5551	83	key NEAR8 (consist OR comprise) NEAR8 (algorithm ADJ (Id OR identifier OR identification)))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5552	599	key NEAR4 vector NEAR4 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5553	182	key NEAR2 vector NEAR2 algorithm	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5554	0	key NEAR2 vector NEAR2 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5555	40	key NEAR8 vector NEAR8 (algorithm ADJ (Id OR identifier OR identification))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5556	3	(hash OR digest) NEAR8 (crypto ADJ sync)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5557	99	((hash OR digest) NEAR4 (Result OR value)) NEAR8 ((crypto ADJ sync) OR (encrypt\$6 NEAR3 parameter))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5558	0	placid.in. AND hash	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5559	0	placid.as. AND ((digest OR hash) SAME algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5560	0	placid.as. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5561	0	placid.as. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5562	105	fielder.in. AND (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5563	76	fielder.in. AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5564	76	(fielder.in. OR alito.in.) AND ((digest OR hash) AND algorithm)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5565	61943	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5566	82902	713/168,169,171,181,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5567	2	("7233997").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5568	21	(file\$3name OR (file ADJ name)) AND "7233997"	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5569	2	("7284243").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5570	4	("0725812").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5571	12	("1949270").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5572	3	("20070100913").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5573	87514	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5574	143	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5575	484	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5576	71	L997 AND L999	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5577	49	L1000 NOT L998	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5578	87514	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5579	87514	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5580	202	((decoy OR false OR pseudo OR psuedo OR distraction OR fake OR trick) NEAR3 file) SAME name SAME content	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5581	59	L1008 AND ((H04L2463/101 OR H04L2209/60 OR G06F21/6218,602,60,62,6209 OR G06F2221/2123).CPC.)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5582	214	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick) NEAR3 file) SAME name SAME content	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5583	12	L1010 NOT L1008	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5584	20	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick) NEAR3 file) SAME name SAME content SAME (digest OR hash)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5585	218389	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls. OR ((H04L2463/101 OR H04L2209/60 OR G06F21/6218,602,60,62,6209 OR G06F2221/2123).CPC.)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5586	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5587	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5588	10	L1014 AND L1015	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5589	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5590	1348	((hash OR digest OR (\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5591	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5592	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5593	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5594	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5595	0	matyas.in. AND L1022	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5596	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5597	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5598	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5599	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5600	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5601	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5602	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5603	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5604	268	L1031 NOT L1020	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5605	0	(placid.in. OR pacid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5606	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5607	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5608	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5609	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5610	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5611	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5612	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5613	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5614	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5615	28	L1040 AND L1042	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5616	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5617	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5618	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5619	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5620	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5621	2	L1048 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5622	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5623	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5624	10	L1050 AND L1051	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5625	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5626	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5627	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5628	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5629	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5630	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5631	0	matyas.in. AND L1058	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5632	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5633	59	matyas.in. AND (hash OR digest)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5634	0	matyas.in. AND (hash OR digest) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L5635	2	matyas.in. AND (hash OR digest) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5636	2	matyas.in. AND (hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5637	1426	(hash OR digest OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5638	1431	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) AND (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5639	458	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5640	268	L1067 NOT L1056	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5641	0	(placid.in. OR placid.in.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5642	0	pacid.in. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5643	66	pacid.as. AND fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5644	66	pacid.as.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5645	24	pacid.as. AND (file ADJ name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5646	2	("20110307705").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5647	24	pacid.as. AND (file NEAR3 name)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5648	2090	pacid.as. OR fielder.in.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5649	464	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5650	1145	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function) OR owf OR (message NEAR3 code) OR trap\$3door OR transformation) SAME (key WITH (file NEAR3 name))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5651	28	L1076 AND L1078	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5652	3	("20050076061").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5653	4	("5995624").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5654	185	(fielder.in. OR alito.in.) AND generator	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5655	74	(fielder.in. OR alito.in.) AND generator AND digest	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5656	4	(US-20040177058- \$).did. or (US-6049612- \$ or US-5995624-\$ or US-5963646-\$).did.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L5657	2	L1084 and password	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5658	6	("9847258").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5659	1116	hash WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5660	1260	(digest OR hash) WITH (combin\$4 OR concatenat\$4) WITH (previous OR prior)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

L5661	521	(digest OR hash) WITH ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5662	298	(digest OR hash) NEAR3 ((combin\$4 OR concatenat\$4) NEAR3(previous OR prior))	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5663	208	(digest OR hash) NEAR3 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5664	167	(digest OR hash) NEAR2 casc\$4	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5665	3	("8413253").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5666	0	("13274753").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5667	2	("20110162077").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5668	2	("20120324113").PN.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5669	24	screen\$3saver WITH (cookie OR restrict\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5670	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L5671	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N4	20102	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 05:05 PM
N5	633	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 05:05 PM
N6	160	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 05:05 PM
N7	31	N4 AND N6	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 05:05 PM

N8	533	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 06:05 PM
N9	149	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 06:05 PM
N10	29	N4 AND N9	(US-PGPUB ; USPAT)	OR	ON	ON	2013/05/17 06:05 PM
N88	21183	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N89	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N90	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N91	33	N88 AND N90	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N92	567	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N93	156	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N94	31	N88 AND N93	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/18 11:09 AM
N233	21198	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N234	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N235	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N236	33	N233 AND N235	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N237	568	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N238	157	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N239	31	N233 AND N238	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N240	21198	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N241	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N242	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM

N243	33	N240 AND N242	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N244	568	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N245	157	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N246	31	N240 AND N245	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 10:09 AM
N464	21198	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N465	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N466	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N467	33	N464 AND N466	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N468	568	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N469	157	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N470	31	N464 AND N469	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N471	21198	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N472	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N473	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N474	33	N471 AND N473	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N475	568	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N476	157	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N477	31	N471 AND N476	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N478	21198	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N479	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM

N480	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N481	33	N478 AND N480	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N482	568	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N483	157	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N484	31	N478 AND N483	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N485	21198	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N486	664	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N487	168	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N488	33	N485 AND N487	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N489	568	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N490	157	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N491	31	N485 AND N490	(US-PGPUB ; USPAT)	OR	ON	ON	2013/09/20 09:09 PM
N931	67	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 10:01 AM
N932	67	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 10:01 AM
N933	79	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 10:01 AM
N934	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 10:01 AM
N936	31	(N932 OR N933) AND N934	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 10:01 AM

N937	28296	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 11:01 AM
N938	43	(N932 OR N933) AND N937	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 11:01 AM
N939	12	N938 NOT N936	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 11:01 AM
N941	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N942	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N943	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N944	33	N934 AND N943	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N945	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N946	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N947	33	N934 AND N946	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N948	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N949	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N950	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N951	33	N948 AND N950	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N952	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N953	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N954	33	N948 AND N953	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N955	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N956	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N957	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N958	33	N955 AND N957	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM

N959	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N960	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N961	33	N955 AND N960	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N962	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N963	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N964	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N965	33	N962 AND N964	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N966	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N967	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N968	33	N962 AND N967	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N969	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N970	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N971	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N972	33	N969 AND N971	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N973	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N974	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N975	33	N969 AND N974	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N976	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N977	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N978	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM

N979	33	N976 AND N978	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N980	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N981	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N982	33	N976 AND N981	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N983	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N984	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N985	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N986	33	N983 AND N985	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N987	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N988	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N989	33	N983 AND N988	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N990	22434	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N991	690	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N992	176	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N993	33	N990 AND N992	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N994	587	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N995	164	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N996	33	N990 AND N995	(US-PGPUB ; USPAT)	OR	ON	ON	2014/01/29 12:01 PM
N1002	39054	713/168,171,169,181,15 6,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/02/07 12:02 PM

N1003	29	((hash OR digest) SAME algorithm SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/02/07 01:02 PM
N1004	30	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2014/02/07 01:02 PM
N1005	13	N1002 AND N1004	(US-PGPUB ; USPAT)	OR	ON	ON	2014/02/07 01:02 PM
N1881	33207	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls. OR (H04L2463/101 OR H04L2209/60 OR G06F21/6218,602,60,62,6209 OR G06F2221/2123).CPC.)	(USPAT)	OR	ON	ON	2015/05/29 01:05 PM
N1883	0	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick) NEAR3 file) SAME name SAME content SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2015/05/29 01:05 PM
N1884	1	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick)) SAME name SAME content SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2015/05/29 01:05 PM
N1885	9	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick)) SAME name SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2015/05/29 01:05 PM
N1886	13	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick)) SAME content SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2015/05/29 01:05 PM
N1887	6	N1881 AND (N1885 OR N1886)	(USPAT)	OR	ON	ON	2015/05/29 01:05 PM
N1888	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1889	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1890	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1891	40	N1888 AND N1890	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM

N1892	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1893	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1894	42	N1888 AND N1893	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1895	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1896	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1897	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1898	40	N1895 AND N1897	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1899	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1900	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1901	42	N1895 AND N1900	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1902	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1903	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1904	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1905	40	N1902 AND N1904	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1906	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1907	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1908	42	N1902 AND N1907	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1909	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1910	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1911	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM

N1912	40	N1909 AND N1911	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1913	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1914	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1915	42	N1909 AND N1914	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1916	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1917	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1918	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1919	40	N1916 AND N1918	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1920	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1921	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1922	42	N1916 AND N1921	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1923	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1924	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1925	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1926	40	N1923 AND N1925	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1927	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1928	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1929	42	N1923 AND N1928	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1930	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1931	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM

N1932	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1933	40	N1930 AND N1932	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1934	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1935	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1936	42	N1930 AND N1935	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1937	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1938	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1939	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1940	40	N1937 AND N1939	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1941	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1942	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1943	42	N1937 AND N1942	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1944	76	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1945	76	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1946	94	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1947	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1948	36	(N1945 OR N1946) AND N1947	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM

N1949	33975	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1950	53	(N1945 OR N1946) AND N1949	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1951	17	N1950 NOT N1948	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1952	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1953	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1954	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1955	40	N1947 AND N1954	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1956	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1957	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1958	42	N1947 AND N1957	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1959	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1960	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1961	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1962	40	N1959 AND N1961	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1963	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1964	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1965	42	N1959 AND N1964	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1966	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1967	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1968	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1969	40	N1966 AND N1968	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM

N1970	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1971	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1972	42	N1966 AND N1971	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1973	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1974	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1975	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1976	40	N1973 AND N1975	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1977	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1978	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1979	42	N1973 AND N1978	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1980	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1981	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1982	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1983	40	N1980 AND N1982	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1984	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1985	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1986	42	N1980 AND N1985	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1987	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1988	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1989	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM

N1990	40	N1987 AND N1989	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1991	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1992	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1993	42	N1987 AND N1992	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1994	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1995	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1996	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1997	40	N1994 AND N1996	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1998	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N1999	193	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2000	42	N1994 AND N1999	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2001	27024	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2002	805	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2003	221	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2004	40	N2001 AND N2003	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2005	686	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2015/05/29 02:05 PM
N2008	3	(US-20140006792-\$ or US-20100299529-\$). did. or (US-5995624-\$). did.	(US-PGPUB ; USPAT)	OR	OFF	OFF	2015/06/01 05:06 AM
N2009	12534	(H04L9/0869 OR H04L9/3236 OR H04L2209/603 OR H04L63/0428 OR H04L9/0643 OR G06F17/30011 OR G06F17/3012 OR G06F21/6209 OR G06F21/6218 OR G06F21/64).CPC.)	(USPAT)	OR	OFF	OFF	2015/06/01 05:06 AM

N2341	61878	H04L9/0838,16,0869,06 5.cpc. OR G06F21/602,606.cpc. OR H04L63/0428.cpc. OR 713/168,169,171,181,18 9.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2342	49	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR4 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2343	11	N2341 AND N2342	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2344	50	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR5 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2345	1	N2344 NOT N2342	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2346	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2347	871	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2348	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2349	41	N2346 AND N2348	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2350	744	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2351	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2352	44	N2346 AND N2351	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2353	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2354	871	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2355	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2356	41	N2353 AND N2355	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2357	744	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2358	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM

N2359	44	N2353 AND N2358	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2360	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2361	871	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2362	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2363	41	N2360 AND N2362	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2364	744	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2365	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2366	44	N2360 AND N2365	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2367	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2368	871	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2369	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2370	41	N2367 AND N2369	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2371	744	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2372	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2373	44	N2367 AND N2372	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 10:03 AM
N2403	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2404	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2405	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2406	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2407	44	N2406 AND N2405	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM

N2408	49053	713/168,171,169,181,15 6,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2409	40	((hash OR digest) SAME algorithm SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2410	41	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2411	49053	713/168,171,169,181,15 6,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2412	41	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2413	20	N2411 AND N2412	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2414	61878	H04L9/0838,16,0869,06 5.cpc. OR G06F21/602,606.cpc. OR H04L63/0428.cpc. OR 713/168,169,171,181,18 9.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2415	49	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR4 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2416	11	N2414 AND N2415	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2417	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2418	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2419	41	N2417 AND N2418	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2420	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2421	44	N2417 AND N2420	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2422	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2423	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM

N2424	41	N2422 AND N2423	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2425	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2426	44	N2422 AND N2425	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2427	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2428	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2429	41	N2427 AND N2428	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2430	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2431	44	N2427 AND N2430	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2432	27869	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2433	237	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2434	41	N2432 AND N2433	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2435	207	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2436	44	N2432 AND N2435	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2437	87	N2416 N2419 N2421 N2424 N2426 N2429 N2431 N2434 N2436	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2438	50	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR5 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2439	11	N2414 AND N2438	(US-PGPUB ; USPAT)	OR	ON	ON	2016/03/21 11:03 AM
N2448	3111	(file OR directory) SAME unique SAME identifier.clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/04 08:09 PM
N2449	30	(file OR directory) SAME unique SAME identifier SAME secret.clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/04 08:09 PM
N2450	10	(file OR directory) SAME unique SAME identifier SAME secret SAME (message OR communication).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/04 08:09 PM

N2451	90455	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/04 09:09 PM
N2452	15	N2449 AND N2451	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/04 09:09 PM
N2468	91311	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/28 05:09 PM
N2469	45745	((generat\$5 OR creat\$5 OR calculat\$5) NEAR5(secret OR key)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/28 05:09 PM
N2470	124	((store OR storing OR stored) NEAR4 ((secret OR key) NEAR4 (directory))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/28 05:09 PM
N2471	24	N2469 SAME N2470	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/28 05:09 PM
N2472	12	N2468 AND N2471	(US-PGPUB ; USPAT)	OR	ON	ON	2016/09/28 05:09 PM
N2478	99014	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2017/07/10 11:07 AM
N2479	477	fielder.in. OR pacid.as.	(US-PGPUB ; USPAT)	OR	ON	ON	2017/07/10 11:07 AM
N2480	133	((credential OR (unique NEAR2 input)) SAME communication SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2017/07/10 11:07 AM
N2481	3	N2480 AND N2479	(US-PGPUB ; USPAT)	OR	ON	ON	2017/07/10 11:07 AM

N2484	100258	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2017/08/20 05:08 PM
N2485	356	((credential OR password) SAME secret SAME (identifier OR ID)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2017/08/20 05:08 PM
N2486	151	N2484 AND N2485	(US-PGPUB ; USPAT)	OR	ON	ON	2017/08/20 05:08 PM
N2487	12	((credential OR password) SAME secret SAME (identifier OR ID) SAME (phone)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2017/08/20 05:08 PM
N2488	8	N2487 AND N2484	(US-PGPUB ; USPAT)	OR	ON	ON	2017/08/20 05:08 PM
N2489	5	"9577993"	(US-PGPUB ; USPAT)	OR	ON	ON	2017/08/20 11:08 PM
N2494	106642	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N2495	13	((credential OR password) SAME secret SAME (identifier OR ID) SAME (phone)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N2496	9	N2495 AND N2494	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N2497	496	fielder.in. OR pacid.as.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N2498	13	(file OR directory) SAME unique SAME identifier SAME secret SAME (message OR communication).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N2499	145	((store OR storing OR stored) NEAR4 ((secret OR key) NEAR4 (directory))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N2500	76	(N2499 OR N2498 OR N2495) AND N2494	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 12:06 AM
N3380	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3381	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM

N3382	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3383	41	N3380 AND N3382	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3384	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3385	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3386	47	N3380 AND N3385	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3387	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3388	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3389	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3390	41	N3387 AND N3389	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3391	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3392	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3393	47	N3387 AND N3392	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3394	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3395	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3396	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3397	41	N3394 AND N3396	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3398	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3399	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3400	47	N3394 AND N3399	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3401	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM

N3402	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3403	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3404	41	N3401 AND N3403	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3405	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3406	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3407	47	N3401 AND N3406	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3408	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3409	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3410	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3411	41	N3408 AND N3410	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3412	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3413	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3414	47	N3408 AND N3413	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3415	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3416	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3417	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3418	41	N3415 AND N3417	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3419	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3420	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3421	47	N3415 AND N3420	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM

N3422	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3423	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3424	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3425	41	N3422 AND N3424	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3426	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3427	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3428	47	N3422 AND N3427	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3429	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3430	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3431	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3432	41	N3429 AND N3431	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3433	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3434	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3435	47	N3429 AND N3434	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 01:06 AM
N3436	98	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3437	100	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM

N3438	120	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3439	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3440	37	(N3437 OR N3438) AND N3439	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3441	35536	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3442	54	(N3437 OR N3438) AND N3441	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3443	17	N3442 NOT N3440	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3444	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3445	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3446	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3447	41	N3439 AND N3446	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3448	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3449	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3450	47	N3439 AND N3449	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3451	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3452	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3453	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3454	41	N3451 AND N3453	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3455	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3456	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3457	47	N3451 AND N3456	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM

N3458	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3459	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3460	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3461	41	N3458 AND N3460	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3462	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3463	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3464	47	N3458 AND N3463	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3465	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3466	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3467	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3468	41	N3465 AND N3467	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3469	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3470	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3471	47	N3465 AND N3470	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3472	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3473	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3474	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3475	41	N3472 AND N3474	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3476	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3477	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM

N3478	47	N3472 AND N3477	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3479	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3480	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3481	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3482	41	N3479 AND N3481	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3483	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3484	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3485	47	N3479 AND N3484	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3486	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3487	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3488	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3489	41	N3486 AND N3488	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3490	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3491	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3492	47	N3486 AND N3491	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3493	28333	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3494	1059	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3495	290	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3496	41	N3493 AND N3495	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3497	950	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM

N3498	251	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3499	47	N3493 AND N3498	(US-PGPUB ; USPAT)	OR	ON	ON	2018/06/19 02:06 AM
N3540	121	((storage OR store) NEAR3 ((key OR secret) NEAR3 identifier)) SAME (encod\$5 OR encrypt\$5 OR scrambl\$5 OR encipher\$5 OR encypher\$5).clm.	(USPAT)	OR	ON	ON	2018/06/19 10:06 AM
N3541	16	((storage OR store) NEAR3 ((key OR secret) NEAR3 identifier)) SAME ((encod\$5 OR encrypt\$5 OR scrambl\$5 OR encipher\$5 OR encypher\$5) NEAR3 (message OR communication)).clm.	(USPAT)	OR	ON	ON	2018/06/19 10:06 AM
N3542	50155	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(USPAT)	OR	ON	ON	2018/06/19 11:06 AM
N3543	10	N3541 AND N3542	(USPAT)	OR	ON	ON	2018/06/19 11:06 AM
N4419	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4420	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4421	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4422	41	N4419 AND N4421	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4423	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4424	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4425	47	N4419 AND N4424	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4426	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM

N4427	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4428	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4429	41	N4426 AND N4428	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4430	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4431	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4432	47	N4426 AND N4431	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4433	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4434	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4435	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4436	41	N4433 AND N4435	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4437	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4438	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4439	47	N4433 AND N4438	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4440	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4441	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4442	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4443	41	N4440 AND N4442	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4444	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4445	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4446	47	N4440 AND N4445	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM

N4447	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4448	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4449	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4450	41	N4447 AND N4449	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4451	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4452	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4453	47	N4447 AND N4452	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4454	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4455	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4456	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4457	41	N4454 AND N4456	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4458	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4459	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4460	47	N4454 AND N4459	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4461	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4462	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4463	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4464	41	N4461 AND N4463	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4465	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4466	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM

N4467	47	N4461 AND N4466	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4468	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4469	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4470	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4471	41	N4468 AND N4470	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4472	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4473	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4474	47	N4468 AND N4473	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 02:08 PM
N4475	99	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4476	101	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4477	120	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4478	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4479	37	(N4476 OR N4477) AND N4478	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4480	35545	713/168,169,171,181,18 9.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4481	55	(N4476 OR N4477) AND N4480	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4482	18	N4481 NOT N4479	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4483	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4484	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM

N4485	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4486	41	N4478 AND N4485	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4487	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4488	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4489	47	N4478 AND N4488	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4490	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4491	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4492	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4493	41	N4490 AND N4492	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4494	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4495	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4496	47	N4490 AND N4495	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4497	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4498	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4499	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4500	41	N4497 AND N4499	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4501	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4502	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4503	47	N4497 AND N4502	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4504	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM

N4505	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4506	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4507	41	N4504 AND N4506	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4508	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4509	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4510	47	N4504 AND N4509	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4511	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4512	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4513	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4514	41	N4511 AND N4513	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4515	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4516	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4517	47	N4511 AND N4516	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4518	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4519	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4520	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4521	41	N4518 AND N4520	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4522	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4523	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4524	47	N4518 AND N4523	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM

N4525	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4526	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4527	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4528	41	N4525 AND N4527	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4529	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4530	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4531	47	N4525 AND N4530	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4532	28340	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4533	1073	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4534	291	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4535	41	N4532 AND N4534	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4536	972	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4537	256	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4538	47	N4532 AND N4537	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4539	49879	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4540	50	((hash OR digest) SAME algorithm SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4541	51	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4542	21	N4539 AND N4541	(US-PGPUB ; USPAT)	OR	ON	ON	2018/08/15 03:08 PM
N4694	28322	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2019/07/04 09:07 PM

N4695	35530	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4696	49863	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4697	55850	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4707	0	(fielder.in. OR alito.in.) AND placid.as.	(USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4708	25	(placid.in. OR pacid.in. OR placid.as. OR pacid.as.) AND fielder.in.	(USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4709	76	((generat\$5 NEAR3 (secret OR credential OR key)) SAME (user NEAR2 input) SAME (id OR identifier)).clm.	(USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4710	19	((authenticat\$5 OR verif\$7) NEAR3 (user NEAR2 input)) SAME ((encrypt\$5 OR encod\$5 OR scrambl\$5) NEAR3 (communication OR message)).clm.	(USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4711	5	N4710 AND N4709	(USPAT)	OR	ON	ON	2019/07/04 09:07 PM
N4712	55850	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(USPAT)	OR	ON	ON	2019/07/05 07:07 PM
N4713	76	((generat\$5 NEAR3 (secret OR credential OR key)) SAME (user NEAR2 input) SAME (id OR identifier)).clm.	(USPAT)	OR	ON	ON	2019/07/05 07:07 PM
N4714	34	N4713 AND N4712	(USPAT)	OR	ON	ON	2019/07/05 07:07 PM
N4715	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4716	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4717	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4718	41	N4 AND N6	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4719	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4720	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4721	47	N4 AND N9	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4722	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4723	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4724	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4725	41	N88 AND N90	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4726	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4727	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4728	47	N88 AND N93	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4729	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4730	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4731	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4732	41	N233 AND N235	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4733	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4734	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4735	47	N233 AND N238	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4736	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4737	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4738	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4739	41	N240 AND N242	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4740	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4741	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4742	47	N240 AND N245	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4743	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4744	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4745	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4746	41	N464 AND N466	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4747	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4748	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4749	47	N464 AND N469	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4750	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4751	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4752	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4753	41	N471 AND N473	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4754	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4755	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4756	47	N471 AND N476	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4757	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4758	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4759	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4760	41	N478 AND N480	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4761	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4762	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4763	47	N478 AND N483	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4764	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4765	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4766	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4767	41	N485 AND N487	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4768	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4769	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4770	47	N485 AND N490	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4771	120	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4772	123	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4773	157	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4774	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4775	37	(N932 OR N933) AND N934	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4776	35589	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4777	55	(N932 OR N933) AND N937	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4778	18	N938 NOT N936	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4779	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4780	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4781	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4782	41	N934 AND N943	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4783	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4784	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4785	47	N934 AND N946	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4786	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4787	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4788	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4789	41	N948 AND N950	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4790	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4791	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4792	47	N948 AND N953	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4793	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4794	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4795	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4796	41	N955 AND N957	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4797	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4798	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4799	47	N955 AND N960	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4800	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4801	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4802	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4803	41	N962 AND N964	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4804	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4805	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4806	47	N962 AND N967	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4807	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4808	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4809	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4810	41	N969 AND N971	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4811	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4812	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4813	47	N969 AND N974	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4814	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4815	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4816	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4817	41	N976 AND N978	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4818	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4819	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4820	47	N976 AND N981	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4821	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4822	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4823	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4824	41	N983 AND N985	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4825	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4826	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4827	47	N983 AND N988	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4828	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4829	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4830	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4831	41	N990 AND N992	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4832	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4833	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4834	47	N990 AND N995	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4835	49938	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4836	56	((hash OR digest) SAME algorithm SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4837	56	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4838	21	N1002 AND N1004	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4839	44803	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls. OR (H04L2463/101 OR H04L2209/60 OR G06F21/6218,602,60,62,6209 OR G06F2221/2123).CPC.)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4840	1	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick) NEAR3 file) SAME name SAME content SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4841	2	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick)) SAME name SAME content SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4842	14	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick)) SAME name SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4843	21	((decoy OR ghost OR false OR pseudo OR psuedo OR distraction OR fake OR trick)) SAME content SAME (digest OR hash)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4844	10	N1881 AND (N1885 OR N1886)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4845	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4846	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4847	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4848	41	N1888 AND N1890	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4849	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4850	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4851	47	N1888 AND N1893	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4852	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4853	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4854	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4855	41	N1895 AND N1897	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4856	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4857	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4858	47	N1895 AND N1900	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4859	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4860	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4861	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4862	41	N1902 AND N1904	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4863	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4864	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4865	47	N1902 AND N1907	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4866	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4867	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4868	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4869	41	N1909 AND N1911	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4870	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4871	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4872	47	N1909 AND N1914	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4873	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4874	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4875	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4876	41	N1916 AND N1918	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4877	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4878	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4879	47	N1916 AND N1921	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4880	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4881	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4882	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4883	41	N1923 AND N1925	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4884	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4885	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4886	47	N1923 AND N1928	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4887	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4888	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4889	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4890	41	N1930 AND N1932	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4891	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4892	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4893	47	N1930 AND N1935	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4894	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4895	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4896	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4897	41	N1937 AND N1939	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4898	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4899	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4900	47	N1937 AND N1942	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4901	120	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4902	123	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4903	157	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4904	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4905	37	(N1945 OR N1946) AND N1947	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4906	35589	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4907	55	(N1945 OR N1946) AND N1949	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4908	18	N1950 NOT N1948	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4909	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4910	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4911	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4912	41	N1947 AND N1954	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4913	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4914	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4915	47	N1947 AND N1957	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4916	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4917	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4918	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4919	41	N1959 AND N1961	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4920	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4921	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4922	47	N1959 AND N1964	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4923	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4924	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4925	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4926	41	N1966 AND N1968	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4927	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4928	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4929	47	N1966 AND N1971	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4930	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4931	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4932	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4933	41	N1973 AND N1975	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4934	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4935	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4936	47	N1973 AND N1978	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4937	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4938	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4939	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4940	41	N1980 AND N1982	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4941	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4942	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4943	47	N1980 AND N1985	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4944	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4945	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4946	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4947	41	N1987 AND N1989	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4948	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4949	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4950	47	N1987 AND N1992	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4951	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4952	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4953	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4954	41	N1994 AND N1996	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4955	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4956	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4957	47	N1994 AND N1999	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4958	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4959	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4960	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4961	41	N2001 AND N2003	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4962	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4963	3	(US-20140006792-\$ or US-20100299529-\$). did. or (US-5995624-\$). did.	(US-PGPUB ; USPAT)	OR	OFF	OFF	2021/03/11 10:03 PM

N4964	27475	((H04L9/0869 OR H04L9/3236 OR H04L2209/603 OR H04L63/0428 OR H04L9/0643 OR G06F17/30011 OR G06F17/3012 OR G06F21/6209 OR G06F21/6218 OR G06F21/64).CPC.)	(USPAT)	OR	OFF	OFF	2021/03/11 10:03 PM
N4965	85139	H04L9/0838,16,0869,06 5.cpc. OR G06F21/602,606.cpc. OR H04L63/0428.cpc. OR 713/168,169,171,181,18 9.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4966	53	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR4 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4967	11	N2341 AND N2342	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4968	59	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR5 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4969	6	N2344 NOT N2342	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4970	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4971	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4972	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4973	41	N2346 AND N2348	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4974	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4975	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4976	47	N2346 AND N2351	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4977	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4978	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4979	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4980	41	N2353 AND N2355	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N4981	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4982	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4983	47	N2353 AND N2358	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4984	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4985	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4986	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4987	41	N2360 AND N2362	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4988	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4989	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4990	47	N2360 AND N2365	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4991	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4992	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4993	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4994	41	N2367 AND N2369	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4995	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4996	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4997	47	N2367 AND N2372	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4998	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N4999	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5000	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5001	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5002	47	N2406 AND N2405	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5003	49938	713/168,171,169,181,15 6,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5004	56	((hash OR digest) SAME algorithm SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5005	56	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5006	49938	713/168,171,169,181,15 6,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5007	56	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5008	21	N2411 AND N2412	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5009	85139	H04L9/0838,16,0869,06 5.cpc. OR G06F21/602,606.cpc. OR H04L63/0428.cpc. OR 713/168,169,171,181,18 9.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5010	53	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR4 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5011	11	N2414 AND N2415	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5012	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5013	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5014	41	N2417 AND N2418	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5015	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5016	47	N2417 AND N2420	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5017	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5018	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5019	41	N2422 AND N2423	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5020	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5021	47	N2422 AND N2425	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5022	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5023	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5024	41	N2427 AND N2428	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5025	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5026	47	N2427 AND N2430	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5027	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5028	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5029	41	N2432 AND N2433	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5030	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5031	47	N2432 AND N2435	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5032	90	N2416 N2419 N2421 N2424 N2426 N2429 N2431 N2434 N2436	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5033	59	((extract\$5 OR deriv\$5) NEAR4 algorithm) NEAR5 (hash OR md\$3 OR checksum OR (\$3bit NEAR2 result))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5034	13	N2414 AND N2438	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5035	4381	(file OR directory) SAME unique SAME identifier.clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5036	40	(file OR directory) SAME unique SAME identifier SAME secret.clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5037	15	(file OR directory) SAME unique SAME identifier SAME secret SAME (message OR communication).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5038	138460	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5039	22	N2449 AND N2451	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5040	138460	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5041	64213	((generat\$5 OR creat\$5 OR calculat\$5) NEAR5(secret OR key)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5042	151	((store OR storing OR stored) NEAR4 ((secret OR key) NEAR4 (directory))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5043	33	N2469 SAME N2470	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5044	16	N2468 AND N2471	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5045	138460	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5046	555	fielder.in. OR pacid.as.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5047	208	((credential OR (unique NEAR2 input)) SAME communication SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5048	11	N2480 AND N2479	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5049	138460	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5050	527	((credential OR password) SAME secret SAME (identifier OR ID)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5051	239	N2484 AND N2485	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5052	16	((credential OR password) SAME secret SAME (identifier OR ID) SAME (phone)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5053	11	N2487 AND N2484	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5054	13	"9577993"	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5055	138460	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5056	16	((credential OR password) SAME secret SAME (identifier OR ID) SAME (phone)).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5057	11	N2495 AND N2494	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5058	555	fielder.in. OR pacid.as.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5059	15	(file OR directory) SAME unique SAME identifier SAME secret SAME (message OR communication).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5060	151	((store OR storing OR stored) NEAR4 ((secret OR key) NEAR4 (directory))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5061	79	(N2499 OR N2498 OR N2495) AND N2494	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5062	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5063	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5064	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5065	41	N3380 AND N3382	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5066	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5067	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5068	47	N3380 AND N3385	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5069	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5070	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5071	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5072	41	N3387 AND N3389	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5073	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5074	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5075	47	N3387 AND N3392	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5076	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5077	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5078	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5079	41	N3394 AND N3396	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5080	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5081	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5082	47	N3394 AND N3399	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5083	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5084	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5085	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5086	41	N3401 AND N3403	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5087	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5088	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5089	47	N3401 AND N3406	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5090	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5091	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5092	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5093	41	N3408 AND N3410	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5094	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5095	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5096	47	N3408 AND N3413	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5097	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5098	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5099	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5100	41	N3415 AND N3417	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5101	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5102	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5103	47	N3415 AND N3420	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5104	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5105	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5106	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5107	41	N3422 AND N3424	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5108	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5109	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5110	47	N3422 AND N3427	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5111	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5112	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5113	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5114	41	N3429 AND N3431	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5115	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5116	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5117	47	N3429 AND N3434	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5118	120	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5119	123	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5120	157	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5121	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5122	37	(N3437 OR N3438) AND N3439	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5123	35589	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5124	55	(N3437 OR N3438) AND N3441	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5125	18	N3442 NOT N3440	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5126	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5127	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5128	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5129	41	N3439 AND N3446	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5130	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5131	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5132	47	N3439 AND N3449	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5133	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5134	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5135	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5136	41	N3451 AND N3453	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5137	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5138	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5139	47	N3451 AND N3456	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5140	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5141	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5142	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5143	41	N3458 AND N3460	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5144	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5145	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5146	47	N3458 AND N3463	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5147	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5148	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5149	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5150	41	N3465 AND N3467	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5151	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5152	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5153	47	N3465 AND N3470	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5154	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5155	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5156	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5157	41	N3472 AND N3474	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5158	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5159	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5160	47	N3472 AND N3477	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5161	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5162	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5163	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5164	41	N3479 AND N3481	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5165	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5166	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5167	47	N3479 AND N3484	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5168	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5169	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5170	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5171	41	N3486 AND N3488	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5172	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5173	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5174	47	N3486 AND N3491	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5175	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5176	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5177	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5178	41	N3493 AND N3495	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5179	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5180	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5181	47	N3493 AND N3498	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5182	135	((storage OR store) NEAR3 ((key OR secret) NEAR3 identifier)) SAME (encod\$5 OR encrypt\$5 OR scrambl\$5 OR encipher\$5 OR encypher\$5).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5183	17	((storage OR store) NEAR3 ((key OR secret) NEAR3 identifier)) SAME ((encod\$5 OR encrypt\$5 OR scrambl\$5 OR encipher\$5 OR encypher\$5) NEAR3 (message OR communication)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5184	65193	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5185	14	N3541 AND N3542	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5186	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5187	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5188	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5189	41	N4419 AND N4421	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5190	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5191	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5192	47	N4419 AND N4424	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5193	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5194	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5195	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5196	41	N4426 AND N4428	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5197	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5198	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5199	47	N4426 AND N4431	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5200	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5201	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5202	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5203	41	N4433 AND N4435	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5204	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5205	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5206	47	N4433 AND N4438	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5207	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5208	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5209	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5210	41	N4440 AND N4442	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5211	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5212	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5213	47	N4440 AND N4445	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5214	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5215	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5216	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5217	41	N4447 AND N4449	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5218	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5219	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5220	47	N4447 AND N4452	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5221	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5222	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5223	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5224	41	N4454 AND N4456	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5225	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5226	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5227	47	N4454 AND N4459	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5228	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5229	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5230	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5231	41	N4461 AND N4463	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5232	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5233	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5234	47	N4461 AND N4466	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5235	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5236	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5237	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5238	41	N4468 AND N4470	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5239	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5240	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5241	47	N4468 AND N4473	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5242	120	((hash OR digest OR checksum) SAME algorithm SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5243	123	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5244	157	((hash OR digest OR checksum) SAME algorithm SAME (scrambl\$5 OR encipher\$5 OR encypher\$5 OR encrypt\$5) SAME key SAME communicat\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5245	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5246	37	(N4476 OR N4477) AND N4478	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5247	35589	713/168,169,171,181,18 9.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5248	55	(N4476 OR N4477) AND N4480	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5249	18	N4481 NOT N4479	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5250	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5251	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5252	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5253	41	N4478 AND N4485	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5254	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5255	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5256	47	N4478 AND N4488	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5257	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5258	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5259	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5260	41	N4490 AND N4492	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5261	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5262	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5263	47	N4490 AND N4495	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5264	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5265	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5266	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5267	41	N4497 AND N4499	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5268	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5269	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5270	47	N4497 AND N4502	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5271	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5272	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5273	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5274	41	N4504 AND N4506	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5275	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5276	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5277	47	N4504 AND N4509	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5278	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5279	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5280	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5281	41	N4511 AND N4513	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5282	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5283	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5284	47	N4511 AND N4516	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5285	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5286	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5287	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5288	41	N4518 AND N4520	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5289	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5290	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5291	47	N4518 AND N4523	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5292	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5293	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5294	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5295	41	N4525 AND N4527	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5296	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5297	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5298	47	N4525 AND N4530	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5299	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5300	1241	digest SAME first SAME second SAME encrypt\$5	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5301	325	(digest SAME first SAME second SAME encrypt\$5).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5302	41	N4532 AND N4534	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5303	1260	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5304	317	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5305	47	N4532 AND N4537	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5306	49938	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5307	56	((hash OR digest) SAME algorithm SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5308	56	((hash OR digest) SAME (formula OR principle OR algorithm) SAME first SAME second SAME encrypt\$5 SAME secret).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5309	21	N4539 AND N4541	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5310	28376	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

N5311	35589	713/168,169,171,181,189.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5312	49938	713/168,171,169,181,156,189.ccls. OR 370/338.ccls. OR 709/204.ccls.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5313	65193	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5314	0	(fielder.in. OR alito.in.) AND placid.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5315	26	(placid.in. OR pacid.in. OR placid.as. OR pacid.as.) AND fielder.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5316	83	((generat\$5 NEAR3 (secret OR credential OR key)) SAME (user NEAR2 input) SAME (id OR identifier)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5317	21	((authentica\$5 OR verif\$7) NEAR3 (user NEAR2 input)) SAME ((encrypt\$5 OR encod\$5 OR scrambl\$5) NEAR3 (communication OR message)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5318	6	N4710 AND N4709	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5319	65193	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5320	83	((generat\$5 NEAR3 (secret OR credential OR key)) SAME (user NEAR2 input) SAME (id OR identifier)).clm.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5321	40	N4713 AND N4712	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

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stackoverflow.com › questions › generate-a-random-ke...

Generate a Random key based on Input Number - Stack ...

Can anyone suggest something simple that will work and avoid me having to keep a record of all generated results for unique checking? Share

1 answer · Top answer: As mentioned by Palf the easiest way to achieve the required amount...

stackoverflow.com › questions › how-to-generate-uniq...

How to generate unique string from users input? - Stack ...

1 answer

Apr 10, 2018 --- The proper and secure solution would be to generate separate hash values for \$a , \$b and \$c and then combine those hashes together by ...

Generate a unique, random friend code from a user ... 2 answers Jun 17, 2020

How can I generate a unique, small, random, and user ... 6 answers Aug 29, 2008

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Mixing, secret | Must include: secret

medium.com › an-easy-way-to-name-labels-and-genera...

An easy way to name Labels and generate unique keys. | by ...

But, even if you are not giving a shit about "keyboard" and "blind" users--- labels are playing important role for mouse users --- they can just "click" . Any good way to generate unique, but "stable", id for each input+label pair? ... The secret is...

docs.aws.amazon.com › cli › reference › secretmanager

create-secret — AWS CLI 1.19.24 Command Reference

All users and roles in the same AWS account automatically have access to use the default CMK. Note that if an Secrets Manager API call results in AWS creating the account's ... [--cli-input-json <value>] [--generate-cli-skeleton <value>] ... part of the secret, and this parameter specifies a unique identifier for the new version.

auth0.com › blog › adding-salt-to-hashing-a-better-way...

Adding Salt to Hashing: A Better Way to Store Passwords

Feb 25, 2021 --- Consequently, the unique hash produced by adding the salt can protect us ... that is added to the input of hash functions to create unique hashes for every input, ... If two users use the same password, we are just creating longer ... to cryptanalysis, which are efforts to decipher the secret patterns of a system.

developers.google.com › ... › Web › Maps Static API

Get an API Key and Signature | Maps Static API | Google ...

Digital signatures are generated using a cryptographic URL signing secret, which is available on the Google ... This secret is shared between you and Google, and is unique to your API key. ... URLs should always be signed server-side to avoid exposing your cryptographic key to users. ... input_url = input("URL to Sign: ")

books.google.com › books

Official Gazette of the United States Patent and Trademark ...

United States Patent and Trademark Office · 2002 · Patents

A two factor biometric authenticating device comprising: means for generating error ... based on a plurality of sampled biometric inputs wherein the error correction ... seed for generating a secret encryption key for encrypting unique user data, ...

www.oauth.com › oauth2-servers › client-registration

The Client ID and Secret - OAuth 2.0 Simplified - OAuth.com

Aug 17, 2016 --- OAuth for Browserless and Input-Constrained Devices ... When the developer registers the application, you'll need to generate a client ID and ... It must also be unique across all clients that the authorization server handles. ... equivalent to a username and password, you should not store the secret in plain ...

docs.databricks.com > security > secrets > secrets ⓘ
Secrets — Databricks Documentation

Sep 24, 2020 --- Learn how to create and manage secrets, which are key-value pairs that ... that stores secret material, with a key name unique within a secret scope ... Your input is stripped of the comments and stored associated with the key in the scope. ... Users with the Can Manage permission on the cluster can delete ...

docs.openshift.com > container-platform > creating-build... ⓘ
Creating build inputs | Builds | OpenShift Container Platform 4.1

Adding input secrets and ConfigMaps; Source-to-image strategy; Docker ... Create the secret first before using the user name and password to access the ... This source type is unique in that it is leveraged solely based on your use of the oc ...

Related searches ⓘ

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Fuzzy extractors: How to **generate** strong keys from biometrics and other noisy data

Y Dodis, L Reyzin, A Smith - International conference on the theory and ..., 2004 - Springer

... How to **Generate** Strong Keys from Biometrics ... Greater levels of security are achieved by longer human-**generated** and biometric passwords, such as pass-phrases, answers to ... Similarly, R can be used for symmetric encryption, for **generating** a public-**secret** key pair, or any other ...

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A convenient method for securely managing passwords

JA Halderman, B Waters, EW Felten - Proceedings of the 14th ..., 2005 - dl.acm.org

... the name of the site or account for which the **user** is interested in **generating** a password ... by convincing the **user** to log in to a malicious website using a **generated** password, or ... changed periodically as a matter of policy, the **user** must take additional steps to **generate** an alternate ...

☆ 99 Cited by 295 Related articles All 14 versions

A 2D barcode-based mobile payment system

J Gao, V Kulkarni, H Ranavat... - ... on Multimedia and ..., 2009 - IEEE Xplore

... Step #6: The merchant server **generates** and sends ... Figure 11 shows the process to **generate** a **user** certificate, which is a signed X.509 V3 certificate ... Curve Digital Signature Algorithm (ECDSA) is used for two purposes: • To ensure the data integrity of **generated** certificates in ...

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Unique user-generated digital pseudonyms

P Schartner, M Schaffer - ... Models, and Architectures for Computer Network ..., 2005 - Springer

... have to be calculated at the time, the pseudonym is **generated**?) – Length of ... The holder of the pseudonym can **generate** his pseudonym locally in his personal ... The proposed method **generates** **unique** and nevertheless highly random pseudonyms in a distributed environment ...

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An approach to implement secure **user** authentication scheme using **secret** values extracted from private information and **unique** biometric images of **user** ...

R Das, A Chakraborty, S Nandi, S Dutta - Int. J. Appl. Eng. Res., 2017 - npublication.com

... Server also executes Step II, Step III and **generates secret** value. Both the **generated secret** value at **user** and server end is being matched to validate the authentication ... Total numbers of executions needed to **generate** all possible combinations of the security parameters to ...

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A technique to build a **secret** key in integrated circuits for identification and authentication applications

JW Lee, D Lim, B Gassend, GE Suh... - 2004 Symposium on ..., 2004 - IEEE Xplore

... takes an n-bit challenge (b?) as an **input** to configure the delay paths and **generates** a one ... Therefore, if we want to **generate** 1100 CRPs to distinguish 1 billion chips for the basic arbiter scheme, it ... photo is shown in Figure 5. It contains 8 sets of the arbiter circuit **generating** an 8 ...

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Ryoan: A distributed sandbox for untrusted computation on **secret** data

T Hunt, Z Zhu, Y Xu, S Peter, E Witchel - ACM Transactions on Computer ..., 2018 - dl.acm.org

... SGX can hash and encrypt data for storage using a hardware-**generated secret** key ... doing so, hardware becomes the anchor for Ryoan's chain of trust (Figure 2). SGX **generates** an unforgeable ... construct a timing channel by varying the length of time it takes to **generate** an output ...

☆ 99 Cited by 231 Related articles All 20 versions 99

How to make personalized web browsing simple, secure, and anonymous

E Gabber, PB Gibbons, Y Matias, A Mayer - International Conference on ..., 1997 - Springer

... Given a **user** and a web-site, Janus automatically **generates** an a~as - typically a ... should provide the same **secret** at subsequent browsing sessions, so that Janus will **generate** consistent aliases ...John for each web-site, and these aliases are distinct from any **generated** for other ...

☆ 99 Cited by 252 Related articles All 16 versions 🔍

AEGIS: A single-chip secure processor

GE Suh, CW O'Donnell, S Devadas - Information Security Technical Report, 2005 - Elsevier

... correction capabilities to our PUF so that the same **secret** can be **generated** on every ... The processor **generates a secret** using three **inputs**: the challenge C, the syndrome S, and the ... This error correction enables the processor to **generate** the same PUF response as the previous ...

☆ 99 Cited by 170 Related articles All 16 versions 🔍

Fuzzy extractors: How to **generate** strong keys from biometrics and other noisy data

Y Dodis, P Ostrovsky, L Reyzin, A Smith - SIAM journal on computing, 2008 - SIAM

... FUZZY EXTRACTORS: HOW TO **GENERATE** STRONG KEYS FROM BIOMETRICS AND OTHER NOISY DATA * ... Greater levels of security are achieved by longer human-**generated** and biometric passwords, such ... R can be used for sym- metric encryption, for **generating** a public ...

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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L4707	49476	713/168,171.ccls. OR 370/338.ccls.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4708	101	((hash OR digest) SAME first SAME second SAME encrypt\$5 SAME secret SAME change)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4709	10	L1 AND L2	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4710	1348	(hash OR digest) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4711	1348	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME (file ADJ name) SAME key	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4712	628	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) SAME ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4713	474	(hash OR digest OR ((\$7random ADJ function) OR \$7random\$3function)) WITH ((file ADJ name) NEAR8 key)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L4714	39	("2011/0307705").URP N.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4715	623	ibm.as.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4716	0	matyas.in. AND L17	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L4717	256	matyas.in.	(USPAT)	OR	ON	ON	2021/03/11 10:03 PM

L8613	145568	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.) OR (H04L9/14 OR H05K999/99 OR G06F2221/2123 OR H04L2209/24 OR H04L2463/121).cpc.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
L8614	5822	(key OR secret) SAME unique SAME input SAME (encrypt\$5 OR scrambl\$5 OR enc?pher\$5)	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L8615	2148	L8614 AND L8613	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM
L8616	711	((key OR secret) SAME unique SAME input SAME (encrypt\$5 OR scrambl\$5 OR enc?pher\$5))).clm.	(US-PGPUB ; USPAT ; USOCR ; FPRS ; EPO ; JPO ; DERWENT ; IBM_TDB)	OR	ON	ON	2021/03/11 10:03 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N5322	468	((key OR secret) SAME unique SAME input SAME (encrypt\$5 OR scrambl\$5 OR enc?pher\$5))).clm.	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5323	138460	((H04L63/08,0428,20,10 OR H04L9/0861,14,0894 OR G06F21/6209,62 OR h04I2209/24 OR G06F2221/2107).CPC. OR (713/168,193,181,165 OR 726/1,26,17,21,4 OR 380/44,278 OR 709/231).CCLS.)	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5324	237	N5323 AND N5322	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5325	2897659	@RLAD<=20090325	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM
N5326	45	N5324 AND N5325	(US-PGPUB ; USPAT)	OR	ON	ON	2021/03/11 10:03 PM

Doc Code: DIST.E.FILE Document Description: Electronic Terminal Disclaimer - Filed		PTO/SB/26 U.S. Patent and Trademark Office Department of Commerce	
Electronic Petition Request	TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING REJECTION OVER A "PRIOR" PATENT		
Application Number	16547459		
Filing Date	21-Aug-2019		
First Named Inventor	Guy Fielder		
Attorney Docket Number	5101-0005-C8		
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		
☒ Filing of terminal disclaimer does not obviate requirement for response under 37 CFR 1.111 to outstanding Office Action ☒ This electronic Terminal Disclaimer is not being used for a Joint Research Agreement.			
Owner		Percent Interest	
PACID TECHNOLOGIES, LLC		100%	
The owner(s) with percent interest listed above in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application which would extend beyond the expiration date of the full statutory term of prior patent number(s) 10484344 10044689 9876771 9577993			

as the term of said prior patent is presently shortened by any terminal disclaimer. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of the term of any patent granted on the instant application that would extend to the expiration date of the full statutory term of the prior patent, "as the term of said prior patent is presently shortened by any terminal disclaimer," in the event that said prior patent later:

- expires for failure to pay a maintenance fee;
- is held unenforceable;
- is found invalid by a court of competent jurisdiction;
- is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321;
- has all claims canceled by a reexamination certificate;
- is reissued; or
- is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included with Electronic Terminal Disclaimer request.

☐ I certify, in accordance with 37 CFR 1.4(d)(4), that the terminal disclaimer fee under 37 CFR 1.20(d) required for this terminal disclaimer has already been paid in the above-identified application.

Applicant claims the following fee status:

- ☐ Small Entity
- ☐ Micro Entity
- ☒ Regular Undiscounted

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.

THIS PORTION MUST BE COMPLETED BY THE SIGNATORY OR SIGNATORIES

I certify, in accordance with 37 CFR 1.4(d)(4) that I am:

☒ An attorney or agent registered to practice before the Patent and Trademark Office who is of record in this application

Registration Number 41402

☐ A sole inventor

☐ A joint inventor; I certify that I am authorized to sign this submission on behalf of all of the inventors as evidenced by the power of attorney in the application

☐ A joint inventor; all of whom are signing this request

Signature	/Tarek N. Fahmi/
Name	Tarek N. Fahmi

*Statement under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

Electronic Patent Application Fee Transmittal				
Application Number:		16547459		
Filing Date:		21-Aug-2019		
Title of Invention:		SYSTEM AND METHOD FOR AUTHENTICATING USERS		
First Named Inventor/Applicant Name:		Guy Fielder		
Filer:		Tarek N. Fahmi/Sarah Zizzo		
Attorney Docket Number:		5101-0005-C8		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
STATUTORY OR TERMINAL DISCLAIMER	1814	1	170	170
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				170

Doc Code: DISQ.E.FILE

Document Description: Electronic Terminal Disclaimer – Approved

Application No.: 16547459

Filing Date: 21-Aug-2019

Applicant/Patent under Reexamination: Fielder

Electronic Terminal Disclaimer filed on March 11, 2021

☒ APPROVED

This patent is subject to a terminal disclaimer

☐ DISAPPROVED

Approved/Disapproved by: Electronic Terminal Disclaimer automatically approved by EFS-Web

U.S. Patent and Trademark Office

Electronic Acknowledgement Receipt	
EFS ID:	42159929
Application Number:	16547459
International Application Number:	
Confirmation Number:	2594
Title of Invention:	SYSTEM AND METHOD FOR AUTHENTICATING USERS
First Named Inventor/Applicant Name:	Guy Fielder
Customer Number:	27571
Filer:	Tarek N. Fahmi/Sarah Zizzo
Filer Authorized By:	Tarek N. Fahmi
Attorney Docket Number:	5101-0005-C8
Receipt Date:	11-MAR-2021
Filing Date:	21-AUG-2019
Time Stamp:	18:46:47
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$170
RAM confirmation Number	E20213AI46421587
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	Terminal Disclaimer-Filed (Electronic)	eTerminal-Disclaimer.pdf	34786	no	3
			772a8274494423089cfc922f8abd4caa6d10bd7c		
Warnings:					
Information:					
2	Fee Worksheet (SB06)	fee-info.pdf	30207	no	2
			e4d8b6aafe470e4dff1042b02a185d60f2d48b2		
Warnings:					
Information:					
Total Files Size (in bytes):			64993		
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 16/547,459

First named inventor: Guy Fielder

Filed: 08/21/2019

Art unit: 2491

Examiner: SHAW, Brian F.

Docket No.: 2101-0005-C8

Customer No.: 27571

Confirmation No.: 2594

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450.

AMENDMENT

Dear Commissioner:

In response to the Examiner Interview of March 11, 2021, please amend the above-identified application as follow:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks including an **Interview Summary** begin on page 4 of this paper.

A **Terminal Disclaimer** accompanies this paper.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of the claims in the application:

Listing of Claims:

1. (Original) A computing device, comprising a processor and a memory communicably coupled to the processor, said memory storing an application for execution by said processor, which application, when executed by said processor, configures said processor to:
 - generate a secret in response to the computing device receiving a unique user input, and to store said secret at the computing device along with an identifier so as to be retrievable when said unique user input is again provided by a user of the computing device;
 - upon receipt of a first communication including said identifier associated with the secret, prompt the user of the computing device for said unique user input;
 - in response to receiving said unique user input, verify said unique user input; and
 - in response to verifying said unique user input, transmit via a communication interface of the computing device to a remote computer-based station a second communication encoded using the secret, said second communication to authenticate the user to the remote computer-based station.
2. (Original) The computing device of claim 1, wherein the secret comprises an encryption key and the application, when executed by said processor, further configures said processor to store the encryption key on the computing device along with other information and to use the identifier to distinguish the encryption key from the other information.
3. (Original) The computing device of claim 1, wherein the computing device is a mobile computing device.
4. (Original) The computing device of claim 3, wherein the application, when executed by said processor, further configures said processor to await receipt of an invitation to create the secret prior to generating the secret.

5. (Original) The computing device of claim 1, wherein the application, when executed by said processor, further configures said processor to store the secret on the computing device in an encrypted format.
6. (Original) The computing device of claim 1, wherein the unique user input comprises user credentials.
7. (Original) The computing device of claim 1, wherein the first communication and the first and second communications comprise two related communications of a communication session.
8. (Original) The computing device of claim 1, wherein the application, when executed by said processor, further configures said processor to create the secret prior to generating the secret.
9. (Original) The computing device of claim 4, wherein the secret comprises an encryption key and the application, when executed by said processor, further configures said processor to store the encryption key on the computing device along with other information and to use the identifier to distinguish the encryption key from the other information.
10. (Original) The computing device of claim 4, wherein the first communication comprises a request for user credentials of the user of the computing device.
11. (Original) The computing device of claim 4, wherein the application, when executed by said processor, further configures said processor to create the secret from the remote computer-based station.
12. (Original) The computing device of claim 4, wherein the first and second communications comprise two related communications of a communication session.
- 13 – 20. (Cancelled)

REMARKS / INTERVIEW SUMMARY

Entry of the forgoing amendments and reconsideration of this application, as amended, is respectfully requested.

During a telephone interview on March 11, 2021, Examiner Shaw requested cancellation of claim 13-20 to avoid the need for a restriction requirement. Accordingly, claims 13-20 are cancelled herein, without prejudice to a later divisional or continuation application.

A terminal disclaimer with respect to U.S. Patent Nos. 9,577,993; 9,876,771; 10,044,689; and 10,484,344 accompanies this paper.

If there are any additional fees due in connection with this communication, please charge Deposit Account No. 50-5798.

Respectfully submitted,
ASCENDA LAW GROUP, PC

Dated: March 11, 2021

Tarek N. Fahmi/
Tarek N. Fahmi
Reg. No. 41,402

2150 N First St., Suite 420
San Jose, CA 95131
866-877-4883

Electronic Acknowledgement Receipt

EFS ID:	42159953
Application Number:	16547459
International Application Number:	
Confirmation Number:	2594
Title of Invention:	SYSTEM AND METHOD FOR AUTHENTICATING USERS
First Named Inventor/Applicant Name:	Guy Fielder
Customer Number:	27571
Filer:	Tarek N. Fahmi/Sarah Zizzo
Filer Authorized By:	Tarek N. Fahmi
Attorney Docket Number:	5101-0005-C8
Receipt Date:	11-MAR-2021
Filing Date:	21-AUG-2019
Time Stamp:	18:49:22
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		2021-03-11_5101-0005-C8_Amendment.pdf	122564 c84ac7ae2917c3a228bbe121db0298e8a47aee68	yes	4

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Preliminary Amendment	1	1
	Claims	2	3
	Applicant Arguments/Remarks Made in an Amendment	4	4
Warnings:			
Information:			
Total Files Size (in bytes):		122564	
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
16/547,459	08/21/2019	Guy Fielder	5101-0005-C8

CONFIRMATION NO. 2594

PUBLICATION NOTICE



0000000113683453

27571
Ascenda Law Group, PC
333 W San Carlos St.
Suite 200
San Jose, CA 95110

Title:SYSTEM AND METHOD FOR AUTHENTICATING USERS

Publication No.US-2020-0007515-A1

Publication Date:01/02/2020

NOTICE OF PUBLICATION OF APPLICATION

The above-identified application will be electronically published as a patent application publication pursuant to 37 CFR 1.211, et seq. The patent application publication number and publication date are set forth above.

The publication may be accessed through the USPTO's publically available Searchable Databases via the Internet at www.uspto.gov. The direct link to access the publication is currently <http://www.uspto.gov/patft/>.

The publication process established by the Office does not provide for mailing a copy of the publication to applicant. A copy of the publication may be obtained from the Office upon payment of the appropriate fee set forth in 37 CFR 1.19(a)(1). Orders for copies of patent application publications are handled by the USPTO's Public Records Division. The Public Records Division can be reached by telephone at (571) 272-3150 or (800) 972-6382, by facsimile at (571) 273-3250, by mail addressed to the United States Patent and Trademark Office, Public Records Division, Alexandria, VA 22313-1450 or via the Internet.

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Office of Data Management, Application Assistance Unit (571) 272-4000, or (571) 272-4200, or 1-888-786-0101

PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875						Application or Docket Number 16/547,459	
APPLICATION AS FILED - PART I							
(Column 1)		(Column 2)		SMALL ENTITY		OTHER THAN SMALL ENTITY	
FOR	NUMBER FILED	NUMBER EXTRA	RATE(\$)	FEE(\$)		RATE(\$)	FEE(\$)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A			N/A	300
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A			N/A	660
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A			N/A	760
TOTAL CLAIMS (37 CFR 1.16(i))	20	minus 20 = *			OR	x 100 =	0.00
INDEPENDENT CLAIMS (37 CFR 1.16(h))	3	minus 3 = *			OR	x 460 =	0.00
APPLICATION SIZE FEE (37 CFR 1.16(s))	If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$310 (\$155 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).						0.00
MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))							0.00
* If the difference in column 1 is less than zero, enter "0" in column 2.			TOTAL			TOTAL	1720
APPLICATION AS AMENDED - PART II							
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
(Column 1)		(Column 2)		(Column 3)		SMALL ENTITY	
AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE(\$)	ADDITIONAL FEE(\$)		RATE(\$)
	Total (37 CFR 1.16(i))	*	Minus **	=	x =	OR	x =
	Independent (37 CFR 1.16(h))	*	Minus ***	=	x =	OR	x =
	Application Size Fee (37 CFR 1.16(s))					OR	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))					OR	
			TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
* 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 found in the appropriate box in column 1.							



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
16/547,459	08/21/2019		1720	5101-0005-C8	20	3

CONFIRMATION NO. 2594

FILING RECEIPT



27571
Ascenda Law Group, PC
333 W San Carlos St.
Suite 200
San Jose, CA 95110

Date Mailed: 09/26/2019

Receipt is acknowledged of this non-provisional utility 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 FIRST INVENTOR, 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 corrected Filing Receipt, including a properly marked-up ADS showing the changes with strike-through for deletions and underlining for additions. If you received a "Notice to File Missing Parts" or other Notice requiring a response for this application, please submit any request for correction 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 provided that the request is grantable.

Inventor(s)

Guy Fielder, Austin, TX;

Applicant(s)

PACID TECHNOLOGIES, LLC, Midland, TX;

Power of Attorney: The patent practitioners associated with Customer Number 27571

Domestic Priority data as claimed by applicant

This application is a CON of 16/213,025 12/07/2018
which is a CON of 15/961,640 04/24/2018 PAT 10171433
which is a CON of 15/839,144 12/12/2017 PAT 10044689
which is a CON of 15/399,983 01/06/2017 PAT 9876771
which is a CON of 15/195,606 06/28/2016 PAT 9577993
which is a CON of 14/861,630 09/22/2015 PAT 9411972
which is a CON of 14/228,463 03/28/2014 PAT 9165153
which is a CON of 13/203,327 08/25/2011 PAT 8726032
which is a 371 of PCT/US10/28562 03/25/2010
which claims benefit of 61/163,406 03/25/2009

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: Yes

Permission to Access Search Results: Yes

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: 09/24/2019

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 16/547,459**

Projected Publication Date: 01/02/2020

Non-Publication Request: No

Early Publication Request: No

Title

SYSTEM AND METHOD FOR AUTHENTICATING USERS

Preliminary Class

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.

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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,

page 2 of 4

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).

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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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POWER OF ATTORNEY BY APPLICANT

I hereby revoke all previous powers of attorney given in the application identified in either the attached transmittal letter or the boxes below.

Application Number	Filing Date

(Note: The boxes above may be left blank if information is provided on form PTO/AiA/82A.)

☒ I hereby appoint the Patent Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the application referenced in the attached transmittal letter (form PTO/AiA/82A) or identified above:

27571

OR

☐ I hereby appoint Practitioner(s) named in the attached list (form PTO/AiA/82C) as my/our attorney(s) or agent(s), and to transact all business in the United States Patent and Trademark Office connected therewith for the patent application referenced in the attached transmittal letter (form PTO/AiA/82A) or identified above. (Note: Complete form PTO/AiA/82C.)

Please recognize or change the correspondence address for the application identified in the attached transmittal letter or the boxes above to:

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OR

☐ The address associated with Customer Number:

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Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Email			

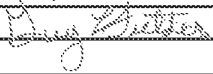
I am the Applicant (if the Applicant is a juristic entity, list the Applicant name in the box):

PACid Technologies, LLC

- ☐ Inventor or Joint Inventor (title not required below)
- ☐ Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)
- ☒ Assignee or Person to Whom the Inventor is Under an Obligation to Assign (provide signer's title if applicant is a juristic entity)
- ☐ Person Who Otherwise Shows Sufficient Proprietary Interest (e.g., a petition under 37 CFR 1.46(b)(2) was granted in the application or is concurrently being filed with this document) (provide signer's title if applicant is a juristic entity)

SIGNATURE of Applicant for Patent

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant (e.g., where the applicant is a juristic entity).

Signature		Date (Optional)	
Name	Guy L. Fielder		
Title	Chief Executive Officer/Founder, PACid Technologies, LLC		

NOTE: Signature - This form must be signed by the applicant in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. If more than one applicant, use multiple forms.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.131, 1.32, and 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: 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.

Electronic Acknowledgement Receipt	
EFS ID:	36944194
Application Number:	16547459
International Application Number:	
Confirmation Number:	2594
Title of Invention:	SYSTEM AND METHOD FOR AUTHENTICATING USERS
First Named Inventor/Applicant Name:	Guy Fielder
Correspondence Address:	Ascenda Law Group, PC - 333 W San Carlos St. Suite 200 San Jose CA 95110 US 408-799-0612 patents@ascendalaw.com
Filer:	Tarek N. Fahmi/Jennifer Stewart
Filer Authorized By:	Tarek N. Fahmi
Attorney Docket Number:	5101-0005-C8
Receipt Date:	21-AUG-2019
Filing Date:	
Time Stamp:	20:07:09
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

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Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		5101-0005-C8_POA.pdf	401801 84035927567c7411d54b7039c26d0ca62717c28e	yes	2
Multipart Description/PDF files in .zip description					
	Document Description		Start	End	
	Power of Attorney		1	1	
	Power of Attorney		2	2	
Warnings:					
Information:					
Total Files Size (in bytes):			401801		
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. <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. <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. <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.					

TRANSMITTAL FOR POWER OF ATTORNEY TO ONE OR MORE REGISTERED PRACTITIONERS

NOTE: This form is to be submitted with the Power of Attorney by Applicant form (PTO/AIA/82B) to identify the application to which the Power of Attorney is directed, in accordance with 37 CFR 1.5, unless the application number and filing date are identified in the Power of Attorney by Applicant form. If neither form PTO/AIA/82A nor form PTO/AIA/82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	16/547,459
Filing Date	08-21-2019
First Named Inventor	Guy Fielder
Title	SYSTEM AND METHOD FOR AUTHENTICATING USERS
Art Unit	
Examiner Name	
Attorney Docket Number	5101-0005-C8

SIGNATURE of Applicant or Patent Practitioner

Signature	/Tarek N. Fahmi/	Date (Optional)	2019-08-21
Name	Tarek N. Fahmi	Registration Number	41402
Title (if Applicant is a juristic entity)			
Applicant Name (if Applicant is a juristic entity)			

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4(d) for signature requirements and certifications. If more than one applicant, use multiple forms.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete If Known</i>	
				Application Number	
				Filing Date 08-21-2019	
				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
Sheet	1	of	9	Attorney Docket No: 5101-0005-C8	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		4613901	09/23/1986	GILHOUSEN; et al.	
		4649233	03/10/1987	BASS; et al.	
		4720860	01/19/1988	WEISS	
		4864615	09/05/1989	BENNETT; et al.	
		4924515	05/08/1990	MATYAS; et al.	
		4937866	06/26/1990	CROWTHER; et al.	
		5020105	05/28/1991	ROSEN; et al.	
		5060263	10/22/1991	BOSEN; et al.	
		5065429	11/12/1991	LANG	
		5068894	11/26/1991	HOPPE	
		5153919	10/06/1992	REEDS, III; et al.	
		5233655	08/03/1993	SHAPIRO	
		5237610	08/17/1993	GAMMIE; et al.	
		5241598	08/31/1993	RAITH	
		5309516	05/03/1994	TAKARAGI; et al.	
		5355413	10/11/1994	OHNO	
		5361062	11/01/1994	WEISS; et al.	
		5367572	11/22/1994	WEISS	
		5475758	12/12/1995	KIKUCHI	
		5475826	12/12/1995	FISCHER	
		5481611	01/02/1996	OWENS; et al.	
		5495533	02/27/1996	LINEHAN; et al.	
		5638448	06/10/1997	NGUYEN	

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. 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 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, 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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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				<i>Complete If Known</i>	
				Application Number	
				Filing Date 08-21-2019	
				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
Sheet	2	of	9	Attorney Docket No: 5101-0005-C8	

		5757924	05/26/1998	FRIEDMAN; et al.	
		5796830	08/18/1998	JOHNSON; et al.	
		5953420	09/14/1999	MATYAS, JR.; et al.	
		5963646	10/05/1999	FIELDER; et al.	
		5963696	10/05/1999	YOSHIDA; et al.	
		5966441	10/12/1999	CALAMERA	
		5974550	10/26/1999	MALISZEWSKI	
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		5995624	11/30/1999	FIELDER; et al.	
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		6345101	02/05/2002	SHUKLA	
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		6987853	01/17/2006	UNER	
		7032240	04/18/2006	CRONCE; et al.	
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		7890769	02/15/2011	CHEN; et al.	
		7917630	03/29/2011	HOLDEN; et al.	
		8010810	08/30/2011	FITZGERALD; et al.	

EXAMINER SIGNATURE

DATE CONSIDERED

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				Application Number	
				Filing Date 08-21-2019	
				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
Sheet	3	of	9	Attorney Docket No: 5101-0005-C8	

		8416954	04/09/2013	RAIZEN; Helen S.	
		20020143872	10/03/2002	WEISS; et al.	
		20020191796	12/19/2002	MUSCHENBORN	
		20040025028	02/05/2004	TAKEUCHI	
		20040179684	09/16/2004	APPENZELLER; et al.	
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		20060112418	05/25/2006	BANTZ; et al.	
		20060174349	08/03/2006	CRONCE; et al.	
		20060210082	09/21/2006	DEVADAS; et al.	
		20060271697	11/30/2006	KRUSE	
		20070098175	05/03/2007	JAKUBIEC	
		20070130463	06/07/2007	LAW; et al.	
		20070150742	06/28/2007	CUKIER; et al.	
		20070255941	11/01/2007	ELLIS	
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		20080016226	01/17/2008	HOLDEN ; et al.	
		20080091605	04/17/2008	HUGHES, et al.	
		20080144787	06/19/2008	Gantman; et al.	
		20080148369	06/19/2008	AARON	
		20080065880	08/13/2008	MARTIN; et al.	
		20080208758	08/28/2008	SPIKER; et al.	
		20080098464	04/24/2008	MIZRAH	
		20080244078	10/02/2008	VILJOEN; et al.	

EXAMINER SIGNATURE**DATE CONSIDERED**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. 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 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, 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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				Application Number	
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				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
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		20080263363	10/23/2008	JUENEMAN; Robert R.	
		20080270791	10/30/2008	NYSTROM; et al.	
		20090094520	04/09/2009	KULAS	
		20200042846	02/18/2010	TROtTER; et al.	
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		20100217964	08/26/2010	PETERKA	

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				First Named Inventor Guy Fielder	
				Art Unit	
				Examiner Name	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T 6
		Country Code ³ - Number ⁴ Kind Code ⁵ (if known)				
		EP 1304848 A2	04/23/2003	MICROSOFT CORP		
		EP 1478156 A2	11/17/2004	SAMSUNG ELECTRONICS CO., LTD.		
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				Art Unit	
				Examiner Name	
Sheet	6	of	9	Attorney Docket No: 5101-0005-C8	

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2	
		Barrett, Daniel and Sliverman, Richard, "SSH, The Secure Shell: The Definitive Guide, 2nd Edition", O'Reilly Media, Section 2.4, Section 3.3, Section 3.4, Section 6.1-6.7. May 1, 2005.		
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		Brenno de Winter (Fischer v. Mollard); "Gnu Privacy Guard (GnuPG) Mini Howto"; retrieved from the Internet: http://www.gnupg.org/documentation/howtos.en.html , version 0.1.4; August 10, 2004 (14 pages)		
		Carl Meyer and S.M. Matyas, CRYPTOGRAPHY: A NEW DIMENSION IN COMPUTER DATA SECURITY (1982).		
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		Gunson et al.; "User Perceptions of Security and Usability of Single-Factor and Two-Factor Authentication in Automated Telephone Banking"; Computers & Security (2011), vol. 30, no. 4; pp. 208-220 (13 pages).	
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		International Search Report and The Written Opinion issued in PCT/US2010/028583; Dated: July 6, 2010; (21 pages).	

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CERTIFICATION STATEMENT

Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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- ☒ See attached certification statement.

- ☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

- ☐ None

SIGNATURE

A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/Tarek N. Fahmi/	Date (YYYY-MM-DD)	2019-08-21
Name/Print	Tarek N. Fahmi	Registration Number	41402

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		
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Secrecy Order 37 CFR 5.2:

☐	Portions or all of the application associated with this Application Data Sheet may fall under a Secrecy Order pursuant to 37 CFR 5.2 (Paper filers only. Applications that fall under Secrecy Order may not be filed electronically.)
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Customer Number	27571		
Email Address	patents@ascendallaw.com	Add Email	Remove Email

Application Information:

Title of the Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		
Attorney Docket Number	5101-0005-C8	Small Entity Status Claimed	☐
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	14	Suggested Figure for Publication (if any)	

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		

Filing By Reference:

Only complete this section when filing an application by reference under 35 U.S.C. 111(c) and 37 CFR 1.57(a). Do not complete this section if application papers including a specification and any drawings are being filed. Any domestic benefit or foreign priority information must be provided in the appropriate section(s) below (i.e., "Domestic Benefit/National Stage Information" and "Foreign Priority Information").

For the purposes of a filing date under 37 CFR 1.53(b), the description and any drawings of the present application are replaced by this reference to the previously filed application, subject to conditions and requirements of 37 CFR 1.57(a).

Application number of the previously filed application	Filing date (YYYY-MM-DD)	Intellectual Property Authority or Country

Publication Information:

☐ Request Early Publication (Fee required at time of Request 37 CFR 1.219)

☐ **Request Not to Publish.** I hereby request that the attached application not be published under 35 U.S.C. 122(b) and certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.

Representative Information:

Representative information should be provided for all practitioners having a power of attorney in the application. Providing this information in the Application Data Sheet does not constitute a power of attorney in the application (see 37 CFR 1.32). Either enter Customer Number or complete the Representative Name section below. If both sections are completed the customer Number will be used for the Representative Information during processing.

Please Select One:	☒ Customer Number	US Patent Practitioner	☐ Limited Recognition (37 CFR 11.9)
Customer Number	27571		

Domestic Benefit/National Stage Information:

This section allows for the applicant to either claim benefit under 35 U.S.C. 119(e), 120, 121, 365(c), or 386(c) or indicate National Stage entry from a PCT application. Providing benefit claim information in the Application Data Sheet constitutes the specific reference required by 35 U.S.C. 119(e) or 120, and 37 CFR 1.78.

When referring to the current application, please leave the "Application Number" field blank.

Prior Application Status	Pending	Remove	
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
	Continuation of	16213025	2018-12-07

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number		5101-0005-C8	
		Application Number			
Title of Invention		SYSTEM AND METHOD FOR AUTHENTICATING USERS			
Prior Application Status		Pending		Remove	
Application Number		Continuity Type		Prior Application Number	
16213025		Continuation of		15961640	
Filing or 371(c) Date (YYYY-MM-DD)		2018-04-24			
Prior Application Status		Patented		Remove	
Application Number		Continuity Type		Prior Application Number	
15961640		Continuation of		15839144	
Filing Date (YYYY-MM-DD)		2017-12-12		Patent Number	
				10044689	
Issue Date (YYYY-MM-DD)		2018-08-07			
Prior Application Status		Patented		Remove	
Application Number		Continuity Type		Prior Application Number	
15839144		Continuation of		15399983	
Filing Date (YYYY-MM-DD)		2017-01-06		Patent Number	
				9876771	
Issue Date (YYYY-MM-DD)		2018-01-23			
Prior Application Status		Patented		Remove	
Application Number		Continuity Type		Prior Application Number	
15399983		Continuation of		15195606	
Filing Date (YYYY-MM-DD)		2016-06-28		Patent Number	
				9577993	
Issue Date (YYYY-MM-DD)		2017-02-21			
Prior Application Status		Patented		Remove	
Application Number		Continuity Type		Prior Application Number	
15195606		Continuation of		14861630	
Filing Date (YYYY-MM-DD)		2015-09-22		Patent Number	
				9411972	
Issue Date (YYYY-MM-DD)		2016-08-09			
Prior Application Status		Patented		Remove	
Application Number		Continuity Type		Prior Application Number	
14861630		Continuation of		14228463	
Filing Date (YYYY-MM-DD)		2014-03-28		Patent Number	
				9165153	
Issue Date (YYYY-MM-DD)		2015-10-20			
Prior Application Status		Patented		Remove	
Application Number		Continuity Type		Prior Application Number	
14228463		Continuation of		13203327	
Filing Date (YYYY-MM-DD)		2011-08-25		Patent Number	
				8726032	
Issue Date (YYYY-MM-DD)		2014-05-13			
Prior Application Status		Expired		Remove	
Application Number		Continuity Type		Prior Application Number	
13203327		a 371 of international		PCT/US10/28562	
Filing or 371(c) Date (YYYY-MM-DD)		2010-03-25			
Prior Application Status		Expired		Remove	
Application Number		Continuity Type		Prior Application Number	
PCT/US10/28562		Claims benefit of provisional		61163406	
Filing or 371(c) Date (YYYY-MM-DD)		2009-03-25			
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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		

Foreign Priority Information:

This section allows for the applicant to claim priority to a foreign application. Providing this information in the application data sheet constitutes the claim for priority as required by 35 U.S.C. 119(b) and 37 CFR 1.55. When priority is claimed to a foreign application that is eligible for retrieval under the priority document exchange program (PDX)ⁱ the information will be used by the Office to automatically attempt retrieval pursuant to 37 CFR 1.55(i)(1) and (2). Under the PDX program, applicant bears the ultimate responsibility for ensuring that a copy of the foreign application is received by the Office from the participating foreign intellectual property office, or a certified copy of the foreign priority application is filed, within the time period specified in 37 CFR 1.55(g)(1).

Application Number	Country ⁱ	Filing Date (YYYY-MM-DD)	Access Code ⁱ (if applicable)	Remove

Additional Foreign Priority Data may be generated within this form by selecting the **Add** button.

Statement under 37 CFR 1.55 or 1.78 for AIA (First Inventor to File) Transition Applications

This application (1) claims priority to or the benefit of an application filed before March 16, 2013 and (2) also contains, or contained at any time, a claim to a claimed invention that has an effective filing date on or after March 16, 2013.

☐ NOTE: By providing this statement under 37 CFR 1.55 or 1.78, this application, with a filing date on or after March 16, 2013, will be examined under the first inventor to file provisions of the AIA.

Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		

Authorization or Opt-Out of Authorization to Permit Access:

When this Application Data Sheet is properly signed and filed with the application, applicant has provided written authority to permit a participating foreign intellectual property (IP) office access to the instant application-as-filed (see paragraph A in subsection 1 below) and the European Patent Office (EPO) access to any search results from the instant application (see paragraph B in subsection 1 below).

Should applicant choose not to provide an authorization identified in subsection 1 below, applicant **must opt-out** of the authorization by checking the corresponding box A or B or both in subsection 2 below.

NOTE: This section of the Application Data Sheet is **ONLY** reviewed and processed with the **INITIAL** filing of an application. After the initial filing of an application, an Application Data Sheet cannot be used to provide or rescind authorization for access by a foreign IP office(s). Instead, Form PTO/SB/39 or PTO/SB/69 must be used as appropriate.

1. Authorization to Permit Access by a Foreign Intellectual Property Office(s)

A. Priority Document Exchange (PDX) - Unless box A in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the State Intellectual Property Office of the People's Republic of China (SIPO), the World Intellectual Property Organization (WIPO), and any other foreign intellectual property office participating with the USPTO in a bilateral or multilateral priority document exchange agreement in which a foreign application claiming priority to the instant patent application is filed, access to: (1) the instant patent application-as-filed and its related bibliographic data, (2) any foreign or domestic application to which priority or benefit is claimed by the instant application and its related bibliographic data, and (3) the date of filing of this Authorization. See 37 CFR 1.14(h)(1).

B. Search Results from U.S. Application to EPO - Unless box B in subsection 2 (opt-out of authorization) is checked, the undersigned hereby **grants the USPTO authority** to provide the EPO access to the bibliographic data and search results from the instant patent application when a European patent application claiming priority to the instant patent application is filed. See 37 CFR 1.14(h)(2).

The applicant is reminded that the EPO's Rule 141(1) EPC (European Patent Convention) requires applicants to submit a copy of search results from the instant application without delay in a European patent application that claims priority to the instant application.

2. Opt-Out of Authorizations to Permit Access by a Foreign Intellectual Property Office(s)

☐ A. Applicant **DOES NOT** authorize the USPTO to permit a participating foreign IP office access to the instant application-as-filed. If this box is checked, the USPTO will not be providing a participating foreign IP office with any documents and information identified in subsection 1A above.

☐ B. Applicant **DOES NOT** authorize the USPTO to transmit to the EPO any search results from the instant patent application. If this box is checked, the USPTO will not be providing the EPO with search results from the instant application.

NOTE: Once the application has published or is otherwise publicly available, the USPTO may provide access to the application in accordance with 37 CFR 1.14.

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		

Applicant Information:

Providing assignment information in this section does not substitute for compliance with any requirement of part 3 of Title 37 of CFR to have an assignment recorded by the Office.

Applicant	1	Remove
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If the applicant is the inventor (or the remaining joint inventor or inventors under 37 CFR 1.45), this section should not be completed. The information to be provided in this section is the name and address of the legal representative who is the applicant under 37 CFR 1.43; or the name and address of the assignee, person to whom the inventor is under an obligation to assign the invention, or person who otherwise shows sufficient proprietary interest in the matter who is the applicant under 37 CFR 1.46. If the applicant is an applicant under 37 CFR 1.46 (assignee, person to whom the inventor is obligated to assign, or person who otherwise shows sufficient proprietary interest) together with one or more joint inventors, then the joint inventor or inventors who are also the applicant should be identified in this section.

☒ Assignee	Legal Representative under 35 U.S.C. 117	Joint Inventor
Person to whom the inventor is obligated to assign.		Person who shows sufficient proprietary interest

If applicant is the legal representative, indicate the authority to file the patent application, the inventor is:

Name of the Deceased or Legally Incapacitated Inventor:

If the Applicant is an Organization check here. ☒

Organization Name	PACID TECHNOLOGIES, LLC		
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Mailing Address Information For Applicant:

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City	Midland	State/Province	TX
Country	US	Postal Code	79707-5045
Phone Number		Fax Number	
Email Address			

Additional Applicant Data may be generated within this form by selecting the Add button.

Assignee Information including Non-Applicant Assignee Information:

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		

Assignee	1			
Complete this section if assignee information, including non-applicant assignee information, is desired to be included on the patent application publication. An assignee-applicant identified in the "Applicant Information" section will appear on the patent application publication as an applicant. For an assignee-applicant, complete this section only if identification as an assignee is also desired on the patent application publication.				
				Remove
If the Assignee or Non-Applicant Assignee is an Organization check here.				☐
Prefix	Given Name	Middle Name	Family Name	Suffix
Mailing Address Information For Assignee including Non-Applicant Assignee:				
Address 1				
Address 2				
City		State/Province		
Country i		Postal Code		
Phone Number		Fax Number		
Email Address				
Additional Assignee or Non-Applicant Assignee Data may be generated within this form by selecting the Add button.				Add

Signature:

NOTE: This Application Data Sheet must be signed in accordance with 37 CFR 1.33(b). However, if this Application Data Sheet is submitted with the **INITIAL** filing of the application and either box A or B is not checked in subsection 2 of the "Authorization or Opt-Out of Authorization to Permit Access" section, then this form must also be signed in accordance with 37 CFR 1.14(c).

This Application Data Sheet **must** be signed by a patent practitioner if one or more of the applicants is a **juristic entity** (e.g., corporation or association). If the applicant is two or more joint inventors, this form must be signed by a patent practitioner, **all** joint inventors who are the applicant, or one or more joint inventor-applicants who have been given power of attorney (e.g., see USPTO Form PTO/AIA/81) on behalf of **all** joint inventor-applicants.

See 37 CFR 1.4(d) for the manner of making signatures and certifications.

Signature	/Tarek N. Fahmi/		Date (YYYY-MM-DD)	2019-08-21
First Name	Tarek	Last Name	Fahmi	Registration Number
				41402
Additional Signature may be generated within this form by selecting the Add button.				Add

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Application Data Sheet 37 CFR 1.76		Attorney Docket Number	5101-0005-C8
		Application Number	
Title of Invention	SYSTEM AND METHOD FOR AUTHENTICATING USERS		

This collection of information is required by 37 CFR 1.76. 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 23 minutes to complete, including gathering, preparing, and submitting the completed application data sheet 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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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 the Freedom of Information Act requires disclosure of these records.
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.
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).
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 inspections 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:				
Filing Date:				
Title of Invention:		SYSTEM AND METHOD FOR AUTHENTICATING USERS		
First Named Inventor/Applicant Name:		Guy Fielder		
Filer:		Tarek N. Fahmi/Jennifer Stewart		
Attorney Docket Number:		5101-0005-C8		
Filed as Large Entity				
Filing Fees for Utility under 35 USC 111(a)				
Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Basic Filing:				
UTILITY APPLICATION FILING	1011	1	300	300
UTILITY SEARCH FEE	1111	1	660	660
UTILITY EXAMINATION FEE	1311	1	760	760
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD(\$)
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
Total in USD (\$)				1720

SYSTEM AND METHOD FOR AUTHENTICATING USERS

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This is a CONTINUATION of and claims priority to U.S. Patent Application No. 16/213,025, filed December 7, 2018, which is a CONTINUATION of U.S. Patent Application No. 15/961,640, filed April 24, 2018, now U.S. Patent 10,171,433, which is a CONTINUATION of U.S. Patent Application No. 15/839,144, filed December 12, 2017, now U.S. Patent 10,044,689, which is a CONTINUATION of U.S. Patent Application No. 15/399,983, filed January 6, 2017, now U.S. Patent 9,876,771, which is a CONTINUATION of U.S. Patent Application No. 15/195,606, filed June 28, 2016, now U.S. Patent 9,577,993, which is a CONTINUATION of U.S. Patent Application No. 14/861,630, filed September 22, 2015, now U.S. Patent 9,411,972, which is a CONTINUATION of U.S. Patent Application No. 14/228,463, filed March 28, 2014, now U.S. patent 9,165,153, which is a CONTINUATION of U.S. Patent Application No. 13/203,327, filed August 25, 2011, now U.S. Patent 8,726,032, which is a 371 national stage filing of International Application PCT/US10/28562, filed March 25, 2010, which claims priority to U.S. Provisional Application No. 61/163,406, filed March 25, 2009, each of which is incorporated herein by reference.

BACKGROUND

[0002] The computer system assists in managing (*e.g.*, storing, organizing, and communicating) a large amount of information. Some of the information managed by a computer system is confidential. In other words, access to such information is intended to be limited. Traditional protection schemes attempt to prevent unauthorized users from accessing the confidential information by requiring that a user provide authentication credential(s), for example a username and password, at a predefined entry point, to access an account that includes the confidential information. Protecting only the predefined entry points, however, fails to account for nefarious individuals creating other entry points by exploiting computer system vulnerabilities. For example, knowledge of a user's hardware and software system, system configuration, types of network connections, etc. may be used to create an entry point and gain access to the confidential information.

[0003] In order to prevent unauthorized access to the confidential information, the confidential information may be encrypted. Encryption is a process of transforming the clear text confidential information into an encrypted format that is unreadable by anyone or anything that does not possess a corresponding decryption key. An encryption algorithm and an encryption key are used to perform the transformation. Encryption technology is classified into two primary technology types: symmetric encryption technology and asymmetric encryption technology. Symmetric encryption technology uses the same encryption key to both encrypt and decrypt confidential information. Asymmetric encryption technology uses a pair of corresponding encryption keys: this key pair share a relationship such that data encrypted using one encryption key can only be decrypted using the other encryption key of the pair.

BRIEF DESCRIPTION OF DRAWINGS

[0004] Fig. 1 shows a schematic diagram of a system in accordance with one or more embodiments of the invention.

[0005] Figs. 2A-5B show flowcharts in accordance with one or more embodiments of the invention.

[0006] Figs. 6A-7E show examples in accordance with one or more embodiments of the invention.

[0007] Fig. 8 shows a computing device in accordance with one or more embodiments of the invention.

DETAILED DESCRIPTION

[0008] In general, in one aspect, the invention relates to a method for protecting a first secrets file. The method includes an n-bit generator generating a secrets file name for the secrets file and generating a decoy file names for decoy files. The secrets file includes a secret. Each of the decoy files includes decoy file contents, are a same size as the secrets file, and is associated with a modification time within a range of modification times. The modification time of the secrets file is within the range of modification times. The secrets file and decoy files are stored in a secrets directory.

[0009] In general, in one aspect, the invention relates to a method for encrypting communication. The method includes receiving a request to communicate with a

group, obtaining a group agreed connect name corresponding to the group, obtaining a username and password of a user of a member connecting to the group, and generating a first message digest using the group agreed connect name, the username, the password, and an n-bit generator. The method further includes extracting a secrets file name from the first message digest, obtaining an encrypted secrets file from a secrets directory, decrypting the encrypted secrets file to obtain a secrets file using a secrets file encryption key obtained from the first message digest, generating a second message digest using the n-bit generator and a first secret and a second secret from the secrets file, and encrypting communication between the member and the group using an encryption key obtained, at least in part, from the second message digest.

[0010] In general, in one aspect, the invention relates to a computing device for protecting a secrets file that includes a processor, a memory, and software instructions stored in memory. The software instructions cause the computing device to generate a secrets file name for the secrets file and generating a decoy file names for decoy files. The secrets file includes a secret. Each of the decoy files includes decoy file contents, are a same size as the secrets file, and is associated with a modification time within a range of modification times. The modification time of the secrets file is within the range of modification times. The secrets file and decoy files are stored in a secrets directory.

[0011] In general, in one aspect, the invention relates to a computing device for protecting a secrets file that includes a processor, a memory, and software instructions stored in memory. The software instructions cause the computing device to receive a request to communicate with a group, obtain a group agreed connect name corresponding to the group, obtain a username and password of a user of a member connecting to the group, and generate a first message digest using the group agreed connect name, the username, the password, and an n-bit generator. The software instructions further cause the computing device to extract a secrets file name from the first message digest, obtain an encrypted secrets file from a secrets directory, decrypt the encrypted secrets file to obtain a secrets file using a secrets file encryption key obtained from the first message digest, generate a second message digest using the n-bit generator and a first secret and a second secret from the secrets file, and encrypt

communication between the member and the group using an encryption key obtained, at least in part, from the second message digest.

[0012] In general, in one aspect, the invention relates to a computer readable medium comprising computer readable program code embodied therein for causing a computer system to perform a method for protecting a first secrets file. The method includes an n-bit generator generating a secrets file name for the secrets file and generating a decoy file names for decoy files. The secrets file includes a secret. Each of the decoy files includes decoy file contents, are a same size as the secrets file, and is associated with a modification time within a range of modification times. The modification time of the secrets file is within the range of modification times. The secrets file and decoy files are stored in a secrets directory.

[0013] In general, in one aspect, the invention relates to a computer readable medium comprising computer readable program code embodied therein for causing a computer system to perform a method for protecting a first secrets file. The method includes receiving a request to communicate with a group, obtaining a group agreed connect name corresponding to the group, obtaining a username and password of a user of a member connecting to the group, and generating a first message digest using the group agreed connect name, the username, the password, and an n-bit generator. The method further includes extracting a secrets file name from the first message digest, obtaining an encrypted secrets file from a secrets directory, decrypting the encrypted secrets file to obtain a secrets file using a secrets file encryption key obtained from the first message digest, generating a second message digest using the n-bit generator and a first secret and a second secret from the secrets file, and encrypting communication between the member and the group using an encryption key obtained, at least in part, from the second message digest.

[0014] Specific embodiments of the invention will now be described in detail with reference to the accompanying figures. Like elements in the various figures are denoted by like reference numerals for consistency.

[0015] In the following detailed description of embodiments of the invention, numerous specific details are set forth in order to provide a more thorough understanding of the invention. However, it will be apparent to one of ordinary skill in the art that the invention may be practiced without these specific details. In other

instances, well-known features have not been described in detail to avoid unnecessarily complicating the description.

[0016] In general, embodiments of the invention relate to securing communication between members of a group, where each member is a computing device. In one or more embodiments of the invention, the group is two or more members that share (or intend to share) confidential information. The confidential information may be transmitted as communication (or portion thereof). Examples of communications include, but are not limited to, short messaging service (SMS) messages, electronic mail (e-mail), chat messages, audio messages, graphics, audio-visual messages (*e.g.*, video file, streaming video, etc.). As used herein, a communication is encrypted when at least a portion of the communication is encrypted.

[0017] In one embodiment of the invention, a computing device is any physical or virtual device that may be used to perform embodiments of the invention. The physical device may correspond to any physical system with functionality to implement one or more embodiments of the invention. For example, the physical device may be implemented on a general purpose computing device (*i.e.*, a device with a processor(s) and an operating system) such as, but not limited to, a desktop computer, a laptop computer, a gaming console, a mobile device (*e.g.*, smart phone, a personal digital assistant, gaming device).

[0018] Alternatively, the physical device may be a special purpose computing device that includes an application-specific processor(s)/hardware configured to only execute embodiments of the invention. In such cases, the physical device may implement embodiments of the invention in hardware as a family of circuits and limited functionality to receive input and generate output in accordance with various embodiments of the invention. In addition, such computing devices may use a state-machine to implement various embodiments of the invention.

[0019] In another embodiment of the invention, the physical device may correspond to a computing device that include both a general purposes processor(s) and an application-specific processor(s)/hardware. In such cases, one or more portions of the invention may be implemented using the operating system and general purpose processor(s) and one or more portions of the invention may be implemented using the application-specific processor(s)/hardware.

[0020] The virtual device may correspond to a virtual machine. Broadly speaking, the virtual machines are distinct operating environments configured to inherit underlying functionality of the host operating system (and access to the underlying host hardware) via an abstraction layer. In one or more embodiments of the invention, a virtual machine includes a separate instance of an operating system, which is distinct from the host operating system. For example, one or more embodiments of the invention may be implemented on VMware® architectures involving: (i) one or more virtual machines executing on a host computer system such that each virtual machine serves as host to an instance of a guest operating system; and (ii) a hypervisor layer serving to facilitate intra-host communication between the one or more virtual machines and host computer system hardware. Alternatively, one or more embodiments of the invention may be implemented on Xen® architectures involving: (i) a control host operating system (*e.g.*, Dom 0) including a hypervisor; and (ii) one or more VMs (*e.g.*, Dom U) executing guest operating system instances. The invention is not limited to the aforementioned exemplary architectures. VMware® is a registered trademark of VMware, Inc. Xen® is a trademark overseen by the Xen Project Advisory Board.

[0021] Each of the members may be used by, for example, an individual, a business entity, a family, any other entity, or any combination thereof. For example, a group may have members John Smith's computing device and Jane Doe's computing device. As another example, a group may have members John Smith's smart phone, John Smith's personal computer, and John Smith's gaming console. As another example, a group may have members John Smith's computing device, Jane Smith's computing device, and the servers of the Smith's financial advisors. Other possible groups may exist without departing from the scope of the invention.

[0022] In one or more embodiments of the invention, each member creates a secrets file that has secret(s). The name of the secrets file and the secret is generated by an n-bit generator. The secret(s) is used to secure communications between the members of the group. The n-bit generator also generates decoy file names and decoy file contents for decoy files. The decoy files and the secrets file are stored together in the same secrets directory. Thus, the secrets file is indistinguishable from the decoy files. Whenever the secrets file is updated, each of the decoy files are also updated such that the secrets file remains indistinguishable from the decoy files.

[0023] Fig. 1 shows a schematic diagram of a system in accordance with one or more embodiments of the invention. As shown in Fig. 1, the system includes a security application (102) and a security directory (104). Both of these components are discussed below.

[0024] In one or more embodiments of the invention, each member includes a security application (102). The security application (102) on each member may be instances of the same application, different versions of the same application, or different applications. Further, the security application may correspond to a complete program product or a programming module of another application. For example, the security application may be a part of and provide security for banking and/or commerce applications. In one or more embodiments of the invention, the security application (102) includes an n-bit generator (106), an encryption module (108), and a user interface (110). Each of the components of the security application (102) may be implemented in hardware, software, firmware, or a combination thereof. The components of the security application are discussed below.

[0025] In one or more embodiments of the invention, an n-bit generator (106) includes functionality to receive and process one or more inputs to generate a message digest. A message digest is a string of characters, which may be represented as a bit-string, in accordance with one or more embodiments of the invention. In one or more embodiments of the invention, the message digest is a bit string. Further, the n-bit generator includes functionality to generate a deterministic and repeatable message digest, which appears pseudo-random or random, in accordance with one or more embodiments of the invention. A pseudo-random output (*e.g.*, message digest) is output that is repeatable and predictable but appears random. Specifically, in one or more embodiments of the invention, although the message digest is repeatable and calculable when the inputs and the operations performed by the n-bit generator (106) are known, the message digest appears random. The apparent randomness may be with respect to someone who knows or does not know the inputs in accordance with one or more embodiments of the invention. Alternatively, or additionally, the apparent randomness may be with respect to someone who does not know the operations performed by the n-bit generator in accordance with one or more embodiments of the invention. In one or more embodiments of the invention, the message digest is deterministic in that a

single output exists for a given set of inputs. Moreover, the message digest may be a fixed length. In other words, regardless of the input length, the same n-bit generator (106) may produce a message digest with a fixed length.

[0026] The number of bits in the input to the n-bit generator may be different or the same as the number of bits in the output produced by the n-bit generator. For example, if the n-bit generator accepts n number of bits for input and produces m number of bits for output, m may be less than, equal to, or greater than n. Multiple iterations of the n-bit generator may be performed to construct an ever-increasing m-bit result that includes multiple message digests.

[0027] Further, the n-bit generator (106) includes functionality to generate a deterministic message digest. Specifically, the n-bit generator (106) has the following two properties. First, the n-bit generator (106) generates the same message digest when provided with the same input(s). Second, the n-bit generator generates, with a high probability, a different message digest when provided with different input(s). For example, a single bit change in the input may result in a significant change of the bits in the resulting message digest. In the example, the change may be fifty percent of the bits depending on the type of n-bit generator used. However, a greater percentage or less percentage of bits may change without departing from the scope of the invention.

[0028] The n-bit generator (106) may include multiple sub-routines, such as a bit shuffler (not shown) and a hash function (not shown). In one or more embodiments of the invention, the bit shuffler includes functionality to combine multiple inputs into a single output. Specifically, the bit shuffler applies a function to the bit level representation of inputs to generate a resulting set of output bits. The output of the bit shuffler may appear as a shuffling of bits in each of inputs and may or may not have the same ratio of 1's to 0's as the input. In one or more embodiments of the invention, the bit shuffling by the bit shuffler has a commutative property. In other words, the order that inputs are provided to the bit shuffler does not affect the output. For example, consider the scenario in which the inputs are input X, input Y, and input Z. Bit shuffling on input X, input Y, and input Z produces the same output as bit shuffling on input Y, input Z, and input X.

[0029] In one embodiment of the invention, the bit shuffler may correspond to any function or series of functions for combining inputs. For example, the bit shuffler may

correspond to the XOR function, the multiplication function, an addition function, or another function that may be used to combine inputs. As another example, the security application with the bit shuffler may correspond to a function that orders the inputs and then uses a non-commutative function to generate an output. The bit shuffler may correspond to other mechanisms for combining multiple inputs without departing from the scope of the invention.

[0030] In one or more embodiments of the invention, a hash function is a function that includes functionality to receive an input and produce a pseudo-random output. In one or more embodiments of the invention, the hash function may include functionality to convert a variable length input into a fixed length output. For example, the hash function may correspond to GOST, HAVAL, MD2, MD4, MD5, PANAMA, SNEERU, a member of the RIPEMD family of hash functions, a member of the SHA family of hash functions, Tiger, Whirlpool, S-Box, P-Box, any other hash function, or combination thereof.

[0031] Although the above description discusses the use of the bit shuffler prior to the hash function, in one or more embodiments of the invention, the hash function operations may be performed prior to the bit shuffler operations. For example, the hash function may be performed separately on each of the inputs to create hashed inputs. The hashed inputs may then be combined by the bit shuffler. Alternatively, the bit shuffler may be first performed on the inputs to create a single intermediate result before the intermediate result is provided to the hash function. The intermediate result may be stored to be used later to create subsequent message digests.

[0032] Further, in one or more embodiments of the invention, the n-bit generator includes a random character generator, such as a random number generator. The random character generator includes functionality to generate a random string of characters of a specified length. The n-bit generator may use the random character generator, for example, to generate the decoy file names (*e.g.*, 134A, 134X) and/or the decoy data (*e.g.*, 132A, 132X).

[0033] The n-bit generator (106) is operatively connected to an encryption module (108) in accordance with one or more embodiments of the invention. An encryption module (108) includes functionality to manage the encryption and decryption of information for the computing device. Specifically, the encryption module (108)

includes functionality to request generation of a secrets file (112) (discussed below) and decoy files (*e.g.*, 114A, 114X) (discussed below). The encryption module (108) may further include functionality to update files in the security directory (104) (discussed below) so that all files in the secrets directory (104) appear indistinguishable from each other.

[0034] For example, the encryption module may include functionality to receive information, request one or more message digests from the n-bit generator (106), extract an encryption key from the one or more message digests, and/or encrypt the information using the encryption key. Alternatively, or additionally, the encryption module (108) may include functionality to receive encrypted information, request one or more message digests from the n-bit generator (106), extract an encryption key from the one or more message digests, and/or decrypt the encrypted information using the encryption key.

[0035] In one or more embodiments of the invention, the encryption module (108) is identically configured across all members of a group to request the same number of message digests. The configuration may be based, for example, on the type of communication, the encryption algorithm, and/or the type of data to be extracted from the message digest.

[0036] The encryption module (108) implements one or more encryption algorithms. In one or more embodiments of the invention, the encryption algorithm includes functionality to transform information in a clear text format into an encrypted format that is unreadable by anyone or anything that does not possess a corresponding encryption key. For example, the encryption algorithm may correspond to Data Encryption Algorithm (DEA) specified in the Data Encryption Standard (DES), Triple DES, Advanced Encryption Standard (AES), FEAL, SKIPJACK, any other encryption algorithm, or any combination thereof. In one or more embodiments of the invention, the encryption module implements only symmetric encryption algorithm(s).

[0037] Although not shown in Fig. 1, the encryption module (108) may also include or be operatively connected to an algorithm selector table (not shown). An algorithm selector table is a logical association between encryption algorithms and an algorithm identifier. The algorithm identifier may be, for example, a numeric, binary, or another such value. In one or more embodiments of the invention, all algorithm identifiers in a

range are present. For example, the algorithm identifier may be a range of integers (e.g., 0...15), a sequence of binary values (e.g., 000, 001, 010,...111). Further, the same encryption algorithm may be associated with multiple algorithm identifiers in the table. For example, “0” may correspond to AES, “1” may correspond to Triple DES, “2” may correspond FEAL, and “3” may correspond to Triple DES. The use of the term, “table”, is only to denote a logical representation, various data structures may be used to implement the algorithm selector table without departing from the scope of the invention.

[0038] Further, in one or more embodiments of the invention, the association between the encryption algorithm identifiers and the encryption algorithms is not based on a pre-defined ordering of encryption algorithms. Specifically, the association may be randomly defined.

[0039] The use of the term, “table”, is only to denote a logical representation, various implementations of the algorithm selector table may be used without departing from the scope of the invention. For example, the algorithm selector table may be implemented in computer instructions using a series of conditional statements. Specifically, when a conditional statement is satisfied, the code corresponding to the implementation of the encryption algorithm is executed. By way of another example, the algorithm selector table may be implemented as a data structure that associates the consecutive encryption algorithm identifiers with identifiers used by the security application for each of the encryption algorithms. The above are only a few examples of possible implementations for the algorithm selector table and not intended to limit the scope of the invention.

[0040] Further, all members associate the same encryption algorithm identifiers with the same corresponding encryption algorithms. For example, if one member associates “0” with AES, “1” with Triple DES, “2” with FEAL, and “3” with Triple DES, then the remaining members associates “0” with AES, “1” with Triple DES, “2” with FEAL, and “3” with Triple DES. Further, all members may or may not use the same implementation of the algorithm selector table.

[0041] In one or more embodiments of the invention, the algorithm selector table includes separate entries for each encryption algorithm and key length pair. In one or more embodiments of the invention, the encryption module may identify the encryption

algorithm from the algorithm selector table and use the key length associated with the encryption algorithm to extract the appropriate number of bits for the encryption key. For example, an entry may exist for Blowfish with an encryption key length 256 bits and a separate entry may exist for Blowfish with an encryption key length of 384 bits. In the example, if the first entry is specified in the algorithm selector bits of the message digest (discussed below), then 256 bits are extracted from the message digest(s) for the encryption key. Alternatively, in the example, if the second entry is specified, then 384 bits are extracted from the message digest for the encryption key.

[0042] Further, each entry in the algorithm selector table may include a starting bit value. The starting bit value may be used to identify a first secret to use in the secrets repository or a starting bit for the encryption key in the message digest.

[0043] Alternatively, although not shown in Fig. 1, the system may include a key length table. The key length table may specify an identifier with a corresponding encryption key length. Similar to the algorithm selector table, multiple different possible implementations of the key length table may be used without departing from the scope of the invention. Further, all members of the group have the associations between key length identifiers and key lengths, but may not have the same implementation of key length table. For example, “1” may be associated with “256 bits”, 2 may be associated with “128 bits”, etc.

[0044] In one or more embodiment of the invention, when a key length table is used, the algorithm selector table may be used to specify the encryption algorithm, and the key length table may be used to specify the number of bits in the encryption key. Specifically, a key length field (discussed below) in the message digest may index the corresponding entry in the key length table. In one or more embodiments of the invention, if the specified encryption algorithm does not allow for variable key length, then the key length field in the message digest is ignored.

[0045] Continuing with the security application (102), in one or more embodiments of the invention, the user interface (110) includes functionality to communicate with a user of the computing device. For example, the user interface (110) may include functionality to guide a user through configuring the security application to communicate with one or more groups of which the computing device is a member. Further, the user interface (110) may include functionality to inform a user when

another member of a group is requesting communication and provide the user with the option of allowing the communication with the user's computing device. The user interface (110) may include hardware and/or software components, such as information boxes, menu buttons, drop down boxes, input boxes, hardware lights, hardware buttons, and/or other user interface components.

[0046] Although not shown in Fig. 1, the security application may include an application programming interface (API). The security application may be configured to communicate with other applications executing on the same or different computing devices using the API. Thus, for example, the API of member A may include functionality to communicate via the network with member B's security application. As another example, the API may include functionality to receive an encrypted format of a file and provide a clear text format of the file to another application executing on member A. Conversely, the API may include functionality to receive, from another application on member A, a clear text format of a file and provide an encrypted format of the file to another application executing on member A on member B.

[0047] In one or more embodiments of the invention, the security application (102) includes functionality to access and use a security directory (104). A security directory (104) is located within a file system for storage of the secrets file (112) and the decoy files (*e.g.*, 114A, 114X). Alternatively, the file system merely includes an access point for the security directory, which is stored on an external physical storage medium that is accessible via the file system (*e.g.*, the external physical storage medium is mounted to the file system). In one or more embodiments of the invention, the security directory (104) does not include any partitioning (*e.g.*, in the form of subdirectories or subfolders) of the secrets file (112) and the decoy files (*e.g.*, 114A, 114X). Further, in one or more embodiments of the invention, secrets files (112) and decoy files (*e.g.*, 114A, 114X) generated for different groups of users are not partitioned in the security directory (104). Alternatively, the security directory (104) may include a partitioning of files for each group of which the user is a member.

[0048] In one embodiment of the invention, the secrets directory (104) (or portions thereof) is located on an external device that is accessible to the security application. Examples of external devices include, but are not limited to, a mobile phone, a smart phone, a personal digital assistant, a portable gaming device, a memory device (*e.g.*,

any device with non-volatile memory) with a contactless interface (*e.g.*, a BlueTooth Interface), a memory device (*e.g.*, any device with non-volatile memory) with a contact interface (*e.g.*, a Universal Serial Bus (USB) interface), etc.

[0049] Although Fig. 1 shows the security directory (104) as only including the secrets file (112) and the decoy files (*e.g.*, 114A, 114X), the security directory (104) may include other files without departing from the scope of the invention. For example, the security directory (104) may include general files for the member, general files for a computer system (not shown) connected to the member, configuration files for the security application (102), and/or any other files. Further, the other files may or may not be in the same partition in the security directory as the secrets file (112) and the decoy files (*e.g.*, 114A, 114X).

[0050] The secrets file (112) is a file for storing secrets (118). Secrets in the secrets file (112) are shared secrets. Shared secrets (118) correspond to data known only to the members of the group. Specifically, the security application (102) of each member of the group independently generates the secrets (118) using an n-bit generator (106) and the same group agreed seed as inputs to the n-bit generator (106). The group agreed seed may be any password, passphrase, or series of characters agreed upon by members of the group or their corresponding users. For example, the group agreed seed may be “the cow jumped over the moon,” “#8\$#DsaVA(@12w@,” or any other collection of characters (*e.g.*, symbols and/or alphanumeric characters).

[0051] In one or more embodiments of the invention, because each secret is generated by the n-bit generator (106), each secret is pseudo-random. For example, when interpreted in textual-based format, each secret appears as random string of characters (*e.g.*, ASCII symbols or any other character set used to represent characters).

[0052] In one or more embodiments of the invention, each security application generates the same set of secrets (118). Each secret (118) in the secrets file may be associated with a unique secret identifier. The unique secret identifier may be a consecutive integer specifying when the secret was generated. For example, the first generated secret may be associated with the number one, while the second generated may be associated with the number two, etc. The consecutive integer may be explicitly or implicitly associated with the secret. For example, the number one may be stored in the secrets file (112) with the first generated secret. Alternatively, the first generated

secret may be in the first position in the secrets file to indirectly associate the first generated secret with the first integer.

[0053] Secrets (118) in the secrets file (112) are each associated with a given group and may be further organized according to type of communication in accordance with one or more embodiments of the invention. For example, secrets used for encryption in a chat session may be different than secrets used for encryption in an email communication. Alternatively or additionally, the secrets may be organized based on the clear text file format of a file to be encrypted. For example, secrets used to encrypt portable document formatted (PDF) files may be different than secrets used to encrypt extensible markup language (XML) files.

[0054] In one or more embodiments of the invention, each shared secret may include a static secret, a dynamic secret, or both a static secret and a dynamic secret. The static secret may remain unchanged throughout the lifetime of the group in accordance with one or more embodiments of the invention. For example, the static secret may be used to recover secure communications by providing a new set of secrets when the members of the group lose synchronization with regards to the dynamic secrets. In contrast, the dynamic secret may periodically change, such as at the end of each communication session or prior to beginning a communication session.

[0055] In one or more embodiments of the invention, a communication session may be a set of related communications (*e.g.*, related short messaging service messages (SMS), related emails, chat messages, or other related communications). Alternatively, or additionally, a communication session may correspond to a set of communications starting at a first time and having a duration of a pre-defined amount of time. The pre-defined amount of time may be defined, for example, according to the amount of time after the last communication is sent and/or received.

[0056] In one or more embodiments of the invention, secrets (118) are protected in the secrets file. The protection of the secrets (118) may be performed by encrypting the file. Specifically, the secrets file (112) may have an encryption key (not shown) associated with the secrets file (112), such that only the encryption module (108) can decrypt the file. Protection may further include making the secrets (118) inaccessible to the member having the secrets directory (104). Specifically, the member (or user of the member) may be unable to identify the secrets (118) or even the secrets file (112).

By hiding the secrets (118) even from the member (and the user of the member) having the security application (102) and the security directory (104), the secrets (118) are highly unlikely to be compromised by the member (or the user of the member).

[0057] In addition to secrets (118), the secrets file (112) also include secrets file metadata (116). The secrets file metadata (116) includes information about the secrets file (112). As shown in Fig. 1, the secrets file metadata (116) may include a file name (120), a created timestamp (122), an accessed timestamp (124), a modified timestamp (126), and a file size (128).

[0058] The file name (120) is the unique identifier of the file within the security directory (104). In one or more embodiments of the invention, the file name appears randomly generated. Specifically, the file name (120) is a pseudo-random string of characters (*e.g.*, symbols and/or alphanumeric characters) of a pre-defined length. The file name may be generated by the n-bit generator and may be converted to textual based format.

[0059] The created timestamp (122) specifies when the secrets file (112) was created. If the secrets file (112) is a copy of an original secrets file (112), then the created timestamp specifies when the copy was created. Similarly, the accessed timestamp specifies when the secrets file (112) was last accessed by the user or the program. For example, the accessed timestamp may correspond to the last time in which the secrets file (112) was opened. The modified timestamp (126) specifies when the secrets file (112) was last modified. Specifically, the modified timestamp (126) specifies when a change was saved to the secrets file (112). The file size (128) provides the size of the secrets file (112). Specifically, the file size (128) may specify, for example, the amount of physical storage space required to store the secrets file.

[0060] In addition to the secrets file (112), the security directory (104) also includes decoy files (*e.g.*, 114A, 114X) in accordance with one or more embodiments of the invention. In one or more embodiments of the invention, the decoy files (*e.g.*, 114A, 114X) are indistinguishable from the secrets file (112). Specifically, like the secrets file (112), the decoy files include metadata (*e.g.*, 130A, 130X) [130X was omitted from Fig 1] and data (*e.g.*, 132A, 132X). The decoy file metadata (*e.g.*, 130A, 130X) may include a file name (*e.g.*, 134A, 134X), a created timestamp (*e.g.*, 136A, 136X),

accessed timestamp (*e.g.*, 138A, 138X), modified timestamp (*e.g.*, 140A, 140X), and file size (*e.g.*, 142A, 142X).

[0061] In one or more embodiments of the invention, the file name (*e.g.*, 134A, 134X) of the decoy files (*e.g.*, 114A, 114X) are similar to the file name (120) of the secrets file (112). Specifically, like the secrets file name (120), the decoy file name (*e.g.*, 134A, 134X) is a pseudo-random string of characters. Further, the decoy file name (*e.g.*, 134A, 134X) includes only characters that may be present in the secrets file name (120). For example, if the secrets file name (120) includes only alphanumeric characters, then the decoy file names (*e.g.*, 134A, 134X) also only include alphanumeric characters. Thus, the secrets file name (120) appears indistinguishable from the decoy file name (*e.g.*, 114A, 114X).

[0062] Further, in one or more embodiments of the invention, the created timestamp (*e.g.*, 136A, 136X), the accessed timestamp (*e.g.*, 138A, 138X), the modified timestamp (*e.g.*, 140A, 140X), and the file size (*e.g.*, 142A, 142X) of the decoy files (*e.g.*, 114A, 114X) are identical to created timestamp (122), accessed timestamp (124), modified timestamp (126), and the file size (128) of the secrets file (112). Rather than being completely identical, the aforementioned components may be substantially identical (*e.g.*, have only a difference of a few seconds or millisecond). Moreover, the values of the aforementioned components of the secrets file (112) are within the range of values of the aforementioned components of the various decoy files (*e.g.*, 114A, 114X). For example, if the modified timestamp of the secrets file is 10:21:45 AM on August 1, 2010, the modified timestamp of the decoy files may range from 10:21:36 AM on August 1, 2010 to 10:21:59 AM on August 1, 2010. A broader range of timestamps may exist without departing from the scope of the invention.

[0063] Similar to the file name (*e.g.*, 134A, 134X) of the decoy files (*e.g.*, 114A, 114X) and the file name (120) of the secrets file (112), the decoy data (*e.g.*, 132A, 132X) appear indistinguishable to the secrets (118). In particular, the decoy data (*e.g.*, 132A, 132X) has the same apparent randomization of characters as the secrets. Further, if the secrets file is partitioned into secrets (*e.g.*, static and dynamic secrets), then the decoy data is also partitioned into strings of the same number of characters as the secrets. Similarly, if the secrets file includes identifiers, then the decoy data also includes similar identifiers. Thus, the decoy data (*e.g.*, 132A, 132X) includes the same amount,

same identifier, same file structure and the same apparent randomization of characters as the secrets (118) in accordance with one or more embodiments of the invention. The decoy data (*e.g.*, 132A, 132X) may be encrypted, for example, using the same encryption algorithm to encrypt the secrets (118).

[0064] Although Fig. 1 shows the secrets file (112) as the first file, the secrets file (112) may be intermingled between the decoy files (*e.g.*, 114A, 114X). For example, the ordering of the files within the secrets directory does not account for fact that the secrets file is a secrets file. Thus, the secrets file (112) is not in a pre-defined position within the secrets directory.

[0065] Further, a portion of the security application (102) may be remote from the computing device. For example, a portion of the security application may be stored on an external storage device. As another example, an external device that is connected to the computing device may be configured to process and display a user interface for the security application (102) executing on the computing device.

[0066] Further, the metadata shown in Fig. 1 may be only a portion of the metadata (*e.g.*, 116, 130A, 130X) that is manipulated to be identical or substantially identical for the secrets file (112) and the decoy files (*e.g.*, 114A, 114X). Specifically, the secrets file (112) and the decoy files (*e.g.*, 114A, 114X) may include additional metadata without departing from the scope of the invention. Further, the additional metadata may or may not be updated to be identical or substantially identical without departing from the scope of the invention. For example, if the metadata includes the file creator, then the secrets file and decoy files are forced to have the same file creator in accordance with one or more embodiments of the invention. In the example, the file creator may be the user or a pre-specified name.

[0067] Figs. 2A-5B show flowcharts in accordance with one or more embodiments of the invention. While the various steps in these flowcharts are presented and described sequentially, one of ordinary skill will appreciate that some or all of the steps may be executed in different orders, may be combined or omitted, and some or all of the steps may be executed in parallel. Further, in the following flowcharts, a member of the group is deemed to perform the actions when the security application of the member performs the actions on behalf of the member.

[0068] Figs. 2A-2B show a flowchart for configuring the security application in accordance with one or more embodiments of the invention. As shown in Fig. 2A, in Step 201, execution of a configuration utility in the security application is started. In one or more embodiments of the invention, the first time that a user starts the security application, the configuration utility is started. Further, in one or more embodiments of the invention, the user may use the configuration utility after the first configuration, such as to add additional groups. As discussed below, the configuration utility may guide the user through configuring the security application to communicate with the groups of which the user's computing device is a member. Those skilled in the art will appreciate that a process executing on the computing device may initiate the configuration of the security instead of the user.

[0069] Continuing with Fig. 2A, in Step 203, the security application receives new user credentials. In one or more embodiments of the invention, the new user credentials may include, for example, a username and password. Other forms of user credentials may be used without departing from the scope of the invention. After the user provides the new user credentials, the user may be required later to use the provided credentials to use the security application.

[0070] Alternatively, rather than the user providing new user credentials in Step 203, the security application may be pre-configured with user credentials. For example, consider the scenario in which the security application is provided to the user by a business entity that pre-associates the security application with user credentials. In such a scenario, the user in Step 203 may be requested to provide the pre-associated credentials in order to configure the security application.

[0071] Continuing with Fig. 2A, in Step 205, a configuration of a new group is initiated. For example, a user may select a menu option or software button to indicate that the user would like to add a new group. Alternatively or additionally, the configuration may be based on the user receiving an invite via the security application. The user may be invited by other members to the group. For example, consider the scenario in which the user is an employee of a company. An administrator of the company may trigger the administrator's security application to send, to the employee's work computer, an invitation to join the group. Based on the invite, the security application on the employee's work computer starts the configuration of the new group.

[0072] In Step 207, the name of the group is received. In one or more embodiments of the invention, the user provides a nickname for the group. The user may provide a name that the user is capable of remembering. For example, the name may be the names of the users who have computing devices that are members of the group. For example, if John's computing device, Angie's computing device, and Joe's computing device are members, then the group name may be John-Angie-Joe. Further, in one or more embodiments of the invention, the names are alphabetically ordered. For example, the group name may be Angie-Joe-John. Rather than using names associated with the members of the group, the group name may be a description of the group (*e.g.*, "financial management team," "work group," "lawsuit strategy team," etc.).

[0073] In Step 209, a group agreed connect name for the new group is received. In one or more embodiments of the invention, a group agreed connect name is an identifier of the group used by all of the members. Specifically, each member of the group associates the same group agreed connect name with the group. Thus, whereas the name of the group in Step 207 may be a name used by a single member, the group agreed connect name is an identifier shared by all members. Further, the group agreed connect name may be an alphanumeric value which would be very difficult to memorize. Because all members associate the same group with the same group agreed connect name, the group agreed connect name may be used by a member of the group when triggering the start of a communication session with other members of the group. For example, consider the scenario in which group A includes Angie's computing device, Joe's computing device, and John's computing device, and has a connect name of 32. Group B includes only Joe's computing device and Angie's computing device, and has connect name 43. In the scenario, Joe's computing device may start communication with the Group A by using connect name 32. Thus, Angie's computing device uses the correct set of secrets for Group A.

[0074] The group may agree on a group agreed connect name by using a negotiation protocol. For example, one or more members may broadcast a proposed connect name, which is either accepted or rejected by the other group members. If all members agree, then the agreed proposed connect name may be a group agreed connect name. Alternatively, the group agreed connect name may be assigned. For example, an administrator of the group, who may or may not be a member, may assign the group

agreed connect name to the group. As another example, users of the members may communicate the group agreed connect name in person, over the phone, via postal mail, or using any other alternative communication channel.

[0075] In Step 211, a first message digest is generated using the group agreed connect name and the user credentials as inputs into the n-bit generator. Specifically, the encryption module calls the n-bit generator using the group agreed connect name and the user credentials as the input values. The n-bit generator generates the first message digest by applying the operations of the n-bit generator (discussed above) to the input values.

[0076] In Step 213, a secrets file name and a secrets file encryption key is extracted from the first message digest. Specifically, the encryption module identifies each portion of the message digest corresponding to a secrets file name and a secrets file encryption key. For example, in a 512-bit message digest, bits in bit positions 0-255 may correspond to the secrets file name, bits in bit positions corresponding to 256-383 may correspond to the secrets file encryption key, and the final 128 bits may correspond to discard bits that remain unused. In the example, the security application extracts the secrets file name by obtaining 0-255 bits and extracts the secrets file encryption key by obtaining the next 128 bits. In one or more embodiments of the invention, because the user credentials are part of the input in Step 211, with a high probability, a different message digest is generated by each member of the group. Thus, the secrets file name and the secrets file encryption key are different for each member of the group. Thus, a nefarious individual or computer system cannot correlate file names on different members to identify the secrets file or decrypt an encrypted secrets file using a secrets file encryption key generated by another member.

[0077] In Step 215, a determination is made whether a file naming conflict exists in the security directory. Specifically, a determination is made whether the file name matches an existing file name in the security directory. If a file naming conflict exists, the naming conflict is corrected in Step 217. Different techniques may be used to correct the naming conflict. For example, the member having the naming conflict may request that a new group agreed connect name is used. The new group agreed connect name may be generated by incrementing or appending a value on the previous group agreed

connect name or repeating Step 209. Other methods to correct the naming conflict may be used without departing from the scope of the invention.

[0078] Continuing with Fig. 2B, in Step 219, regardless of whether a naming conflict exists, a group agreed seed is received for the secrets file. Specifically, the members of the group and/or their corresponding users communicate and agree on a group agreed seed. If the users communicate and agree on the group agreed seed, then the user may submit the group agreed seed to the security application. In such embodiments, the security application obtains the group agreed seed from the member. If the members communicate with the other members regarding the group agreed seed, then the member obtains the group agreed seed as the one agreed upon. The group agreed seed may be any password, passphrase, or series of characters. For example, the group agreed seed may be “the cow jumped over the moon,” “#8\$#DsaVA(@12w@,” or any other collection of characters (*e.g.*, symbols and/or alphanumeric characters). Users of the members may communicate the group agreed seed in person, over the phone, via postal mail, or using any other alternative communication channel. Each member may independently submit the group agreed seed to the security application. When prompted, the user of each member may enter the group agreed seed in a field of the user interface of the security application.

[0079] In Step 221, a second message digest is generated using the group agreed seed as input into the n-bit generator. Specifically, the encryption module calls the n-bit generator using the group agreed seed as the input value. The n-bit generators of each of the members performs the same one or more functions for all of the members of the group. Thus, the same message digest (*i.e.*, the second message digest) is generated by all members of the group.

[0080] In Step 223, secrets are obtained from the second message digest. Specifically, the encryption module identifies each portion of the second message digest relating to a secret. The following examples are not intended to limit the scope of the invention. Turning to an example, in a 512-bit message digest, bits in bit positions 0-127 may correspond to the static secret, bits in bit position corresponding to 128-383 may correspond to the dynamic secret and the final 128 bits may correspond to discard bits that remain unused or to a change (increment) value to be included as an input to an iterative pass of the n-bit generator. In the example, the security application extracts

the static secret by obtaining the first 128 bits of the message digest and extracts the dynamic secret by obtaining the next 256 bits. As discussed, the above is only an example. For example, the ordering of the static secrets, dynamic secret, and discard bits may be different from the previous example, the discard bits may be omitted, the static secret or a portion thereof may be in different message digests, the dynamic secret or a portion thereof may be in different message digests, or one of the secrets may be omitted. In one or more embodiments of the invention, each security application extracts the same bits for each of the secrets. Thus, each member of the group generates the same set of secrets.

[0081] As another example for extracting secrets, bits in the message digest may indicate the starting position of each of the secrets. For example, the first four bits low order or least significant of the message digest may be used as shift bits defining the start of a secret. In such an example, the first bit of a secret may start following the shift value. By way of an example, if the shift bits in the message digest is “0001” (or one in base 10), then the secret starts at bit position two. As another example, if the shift bits is “1000” (or eight in base 10), the secret starts a bit 9.

[0082] Additional secrets may be generated for the group by repeating Steps 221 and 223 using the second message digest (or a portion thereof) and subsequent message digests (or a portion thereof) as an input to the n-bit generator. Alternatively, or additionally, Steps 221 and 223 may be repeated multiple times to generate a succession of new secrets. For example, each subsequent time may use, as input, the message digest from the previously time. Alternatively or additionally, additional secrets may be generated by repeating Steps 203-205 in which new group agreed seeds are used.

[0083] In Step 225, the secrets are stored in the secrets file. As discussed above, each secret may be stored with the unique secret identifier and/or a secrets grouping identifier.

[0084] In Step 227, the secrets are encrypted using the secrets file encryption key (obtained in Step 213). Specifically, the encryption module applies an encryption algorithm to the secrets file using the secrets file encryption key. Thus, the secrets in the secrets file may be protected even if the secrets file is identified.

[0085] In Step 229, decoy file names and contents are generated for the decoy files. Different techniques may be used to create the decoy file names and contents. For example, the encryption module may request that the n-bit generator uses a random character generator to generate a random set of characters of an identical length as the secrets and secrets file name. As another example, the encryption module may call the n-bit generator with pseudo-randomly generated input to create the decoy files. As another example, the encryption module may use the final generated secret (*e.g.*, secret(s) obtained in Step 223) with or without modification input as input to the n-bit generator to produce additional content.

[0086] In one or more embodiments of the invention, two or three decoy files are created each time a secrets file is created. More or fewer decoy files may be created without departing from the scope of the invention. Further, once the security directory has a threshold number of files (secrets file and decoy files), the encryption module may stop creating decoy files in one or more embodiments of the invention.

[0087] In Step 231, the decoy files are stored in the security directory with the secrets file. In one or more embodiments of the invention, the creation storage of the decoy files is the same time as the creation and storage of the encrypted secrets file. Thus, the decoy files and the secrets file have the same timestamps. Those skilled in the art will appreciate that the timestamps on the decoy files and/or the secrets file may be modified such that all timestamps are the same or within an appropriate range (as defined above).

[0088] In Step 233, identifiers of members of the group are received. Specifically, an identifier for each member of the group is received. The identifier may be a unique identifier, a nickname, or another identifier.

[0089] In Step 235, connection information to create a secure connection to each member of the group is received. Specifically, the connection information identifies how to access the member through a secure communication channel if it exists. Alternatively, the connection information may specify general contact information, such as a phone number, an internet protocol (IP) address, or other contact information. In Step 237, the connection information is stored with the identifiers for the group. The connection information and the identifiers may be stored in a separate file, such as a configuration file associated with the security application. Further, the same connection

information may be used by the member for multiple groups that have common members.

[0090] Although not shown in Figs. 2A-2B, additional groups may be added by repeating Steps 205-237 for each group. In one or more embodiments of the invention, when a new group is created, the timestamps of all existing files are updated to match the new group. The timestamps may be updated, for example, using APIs provided by the operating system to force an update of the timestamps.

[0091] Fig. 3 shows a flowchart for communicating between members of the group in one or more embodiments of the invention. In Step 231, a request for group communication is received. The request may be received from the user using the member, an application executing on the member or executing on a computer system connected to the member, another member, etc.

[0092] For example, the user may start the security application and select a group using the group name to start sending communications. The user may also select the application (*e.g.*, email application, chat application, etc.) that the user will use for the communication. In response, the security application may access the connection information for other members of the group and send an invite to the other members using the connection information. The invite may include the group agreed connect name and indicate that the member is starting a communication session for the group having the specified connect name. Additionally, or alternatively, the invite may be sent with the first communication from the member.

[0093] As a second example, the user may use an application (*e.g.*, a email application, a chat application, an internet browser) to start a communication session with another user. The security application may intercept the user's connection request, identify the members of the group corresponding to the recipient users, and invite the other members of the group to the communication session using the group agreed connect name and the connection information for the other members.

[0094] As a third example, the request for group communication may be initiated by the security application receiving an invite to the communication session from another member of the group. In response, the security application may notify the user that a

communication session is requested in accordance with one or more embodiments of the invention.

[0095] The above are only some examples of how a request for communication is received. The request for communication may be received in other manner without departing from the scope of the invention.

[0096] In Step 233, user credentials are received. In one or more embodiments of the invention, the member prompts the user to provide the user credentials. For example, the user interface of the security application may display one or more input boxes for the user to submit the user's credentials.

[0097] In Step 235, the n-bit generator generates the secrets file name and the secrets file encryption key using the user's credentials and the group agreed connect name. Specifically, the n-bit generator generates a message digest having the secrets file name and the secrets file encryption key using the aforementioned inputs. The encryption module extracts the aforementioned components from the message digest. Generating the message digest and extracting the secrets file encryption key may be performed as discussed above with reference to Steps 211 and 213 in Fig. 2.

[0098] In Step 237, a determination is made whether a matching file name is found in the security directory. If a matching file name is found, then the user's credentials are correct and the secrets file is identified. If the matching file name is not found, then the received user's credentials may be incorrect. The security application may allow the user to re-submit the credentials and/or deny access to the user.

[0099] In Step 239, if the matching file name is found, the secrets file is decrypted using the secrets file encryption key. Specifically, the encryption module applies the encryption algorithm to the encrypted secrets file (*i.e.*, the file identified in Step 237) using the secrets file encryption key to create a decrypted secrets file.

[00100] In Step 241, the secrets are obtained from the decrypted secrets file. In one or more embodiments of the invention, the secrets may be obtained based on the type of unique secret identifier and/or a secrets grouping identifier. For example, the communication request may specify an application used in the communication. Accordingly, encryption module may identify the secrets grouping identifier

corresponding to the specified application. The encryption module obtains the secrets from the secrets file having the specified secrets grouping identifier.

[00101] In one or more embodiments of the invention, rather than opening the secrets file to obtain the secrets, the secrets file may be copied to a temporary memory location, such as cache memory, and the copy may be opened to obtain the secrets. Thus, if the dynamic secrets are not updated at the end of the communication session, then the metadata of the secrets file remains unchanged. When the metadata of the secrets file remains unchanged, then the metadata of the decoy files does not need to change. Further, the contents of the temporary memory location may be destroyed so as to destroy the copy of the secrets file. The destruction may include overwriting the temporary location multiple times in accordance with one or more embodiments of the invention.

[00102] As another example, the communication request may include the unique secret identifier. In the example, the encryption module may extract the secret having the unique secrets identifier from the secrets file.

[00103] By way of another example, the encryption module may randomly select secrets (*e.g.*, a static and dynamic secret) and send the unique secrets identifier of the randomly selected secrets to the other members of the group.

[00104] The above are only a few examples for obtaining secrets from the secrets file. Other methods may be used without departing from the scope of the invention.

[00105] In Step 243, the *n*-bit generator generates one or more message digests using the secrets. Generating one or more message digests is discussed below and in Figs. 4A and 4B.

[00106] Continuing with Fig. 3, the encryption module encrypts and decrypts communications transferred between the members of the group using an encryption key parsed from the message digest. As discussed below, from the message digest(s), an encryption key is generated. The encryption module applies the encryption key and an encryption algorithm to each communication for sending to encrypt the communication. The encrypted communication is sent to the other members of the group. Similarly, the encryption module applies the encryption key and the encryption algorithm to each received communication to decrypt the received communication.

[00107] In one or more embodiments of the invention, the encryption module intercepts the communications sent and received from the member to the group or from a computer system connected to the member to the group. The encryption module performs the encryption and decryption steps without input from and transparently to the user (or other computer system to which the security application is connected) in one or more embodiments of the invention.

[00108] In one or more embodiments of the invention, the security application may be used for communications between subgroups, in which only some of the members are present using the secrets for the group. In one or more embodiments of the invention, the sub-group may be spawned into a new group. Additionally, or alternatively, when only the subgroup is communicating, the dynamic secret is not updated for the entire group.

[00109] Figs. 4A and 4B show flowcharts for using the initial message digest to generate an encryption key. As shown in Fig. 4A, in Step 251, a shared secret(s) is obtained from the secrets file. In Step 253, a new message digest is generated using the shared secret(s) as inputs for the n-bit generator. For example, the encryption module may call the n-bit generator and pass the parameters of the shared secret(s).

[00110] In Step 255, an encryption key is extracted from the resulting message digest. Extracting the encryption key may include the encryption module identifying the bit positions corresponding to the encryption key and separately storing the series of bits in the identified bit positions as the encryption key. In addition to extracting the encryption key, algorithm selector bits, key length and other components of the message digest may be extracted. The algorithm selector bits may be used, for example, as an index to the algorithm selector table to identify an encryption algorithm to use to encrypt the communications.

[00111] Fig. 4B shows another example flowchart for using the initial message digest. Specifically, Fig. 4B shows an example for generating multiple message digests, where each message digest includes some of the components for encrypting a communication. In Step 257, the shared secret and dynamic secret are obtained from the secrets file. Obtaining the shared secret and the dynamic secret may be performed as discussed above.

[00112] In Step 259, a second message digest is generated using the shared secret and the dynamic secret as inputs for the n-bit generator. Generating the second message digest may be performed in a similar manner to that discussed above with reference to Step 253 in Fig. 4A.

[00113] In Step 261, the change value and other components are extracted from the second message digest. Extracting the components may be performed in a manner similar to the extraction of the encryption key as discussed above in Step 255 of Fig. 4A. The other components that are extracted may include, for example, the most significant bits of the encryption key, the least significant bits of the encryption key, the algorithm selector bits, etc.

[00114] In Step 263 of Fig. 4B, the change value is combined with the dynamic secret to create an interim dynamic secret. Combining the change value with the dynamic secret may be performed, for example, by a bit shuffler. Specifically, any of the operations discussed above with respect to the bit shuffler may be performed to combine the change value with the dynamic secret. In one or more embodiments of the invention, a prime number is added to the change value or result to account for a possibility that the change value may be zero. For example, the combination may be the change value XOR'd with the dynamic secret plus one.

[00115] In Step 265, a third message digest is generated using the interim dynamic secret and the static secret as inputs to the n-bit generator. Step 265 may be performed, for example, in a manner similar to the above discussion with reference to Step 259. In one or more embodiments of the invention, rather than performing Step 263 to create an interim dynamic secret and then performing Step 265 to generate a third message digest using the interim dynamic secret, the third message digest may be generated using the change value, the dynamic secret, and the static secrets as inputs into the n-bit generator.

[00116] In Step 267, the change value and other components are extracted from the third message digest in accordance with one or more embodiments of the invention. Extracting the change value and the other components may be in a manner similar to the above discussion with reference to Step 261.

[00117] In Step 269, a determination is made whether to create another message digest. In one or more embodiments of the invention, each security application is configured to create an identical number of message digests. Additional message digests may be generated to create additional bits for an encryption key or to create additional components.

[00118] If a determination is made to create an additional message digest, then the steps repeat starting with Step 263. In Step 263, the change value extracted in Step 267 is used with the dynamic secret to create a new interim dynamic secret. Alternatively, rather than using the dynamic secret for subsequent message digests, the previously created interim dynamic secret may be used.

[00119] Alternatively, if a determination is made not to create another message digest, an encryption solution is created from the components of the message digests in Step 271. For example, the least significant bits of the encryption key may be combined with the most significant bits of the encryption key to create a single encryption key. The encryption solution may be used to encrypt and decrypt communications. Encrypting a communication may be performed for example, by accessing the algorithm selector table to identify the encryption algorithm corresponding to the algorithm selector bits in the message digest. The communication to be encrypted is encrypted by applying the identified encryption algorithm with the encryption key to the communication. The resulting encrypted communication may be sent to the members and/or stored (*e.g.*, stored on a local or remote storage device). In one or more embodiments of the invention, when an encrypted communication is stored, dynamic secrets are not used to create the encryption key used to encrypt the communication.

[00120] During or at the end of a session, the members of a group may agree to change the encryption key and/or the dynamic secret values. For example, the agreement may be based on a signal passed between the members when one of the members elects that the encryption key should change. As another example, the agreement may be based on a pre-agreed period at which a new encryption key is generated. For example, the members may agree that a new encryption key should be generated every five minutes, with every 20 communications, after 256K bits are exchanged, etc.

[00121] Fig. 5A shows a flowchart for changing an encryption key. In Step 281, a change of encryption key is initiated by the group or one of the members thereof. As discussed above, the initiation may be based on a message, a pre-agreed period, etc.

[00122] In Step 283, intermediate results of the last performance of the n-bit generator and the last generated change value are obtained. As discussed above, the intermediate results may correspond to the output of the bit shuffler prior to performing the hash function. Further, each member may extract the change value from the last generated message digest.

[00123] In Step 285, each member generates a new message digest using the intermediate results and the last change value as inputs to the n-bit generator. In Steps 283 and 285, rather than using the intermediate results, the dynamic secret, the dynamic secret and the static secret, or the interim dynamic secret may be used in accordance with one or more embodiments of the invention.

[00124] In Step 287, a new encryption key is extracted from the new message digest. Extracting the new encryption key may be performed as discussed above with reference to Step 255 of Fig. 4A. After the new encryption key is extracted the new encryption key may be used to encrypt and decrypt communications between the members of the group. In one or more embodiments of the invention, the encryption key could be an encryption solution. The encryption solution may include, for example, the encryption key, algorithm selector bits for selecting an encryption algorithm, and/or other components used for encryption.

[00125] Fig. 5B shows an example flowchart for changing the dynamic secret values at the end of a communication session in accordance with one or more embodiments of the invention. In Step 289, a communication session is finalized with the group. For example, the group members may send a message ending the communication session. Each member may wait until the member receives confirmation from all other members of the group.

[00126] In Step 291, the initial dynamic secret and the final change value used in the communication session are obtained. For example, the initial dynamic secret may be the secret generated in the initial message digest or a secret stored in the secrets repository. The final change value may correspond to the last generated change value.

For example, the final change value may be obtained as discussed above with reference to Step 283 in Fig. 5A.

[00127] Continuing with Fig. 5B, in Step 293, a new message digest is generated using the initial dynamic secret and the change value as inputs to the n-bit generator. In Step 295, the new dynamic secret is extracted from the new message digest. The new dynamic secret may replace the initial dynamic secret in the secrets file. Specifically, in Step 297, each member of the group may store the new dynamic secret in their corresponding secrets repository. Because each member generates and stores the same new dynamic secret, the members use the same secrets in the next communication session.

[00128] Further, each member updates the secrets files and the decoy files to update the file time stamps in Step 299. Specifically, each files may be opened, modified, and closed. The modification may be changing a character into a new randomly generated character and saving the changed decoy file. As another example, the modification may be writing a character to the decoy file, saving the decoy file, and then removing the character from the decoy file and the secrets files. In one or more embodiments of the invention, the update to the secrets file is performed after some of the decoy files are updated and prior to the final decoy files are updated. By modifying the decoy files when the secrets file is modified, the timestamps of the decoy files may be automatically updated. Rather than performing the modification, the metadata of the files may be updated by manipulating the metadata directly, such as through an API of an operating system, or accessing the metadata. Thus, a nefarious user or computer system could not access the modification timestamp to identify the secrets file.

[00129] Figs. 6A-6B shows an example communication session in accordance with one or more embodiments of the invention. The following is for example purposes only. In the following example, consider the scenario in which Opal and Andrew want to communicate via a chat application. Opal's computing device is an external token device that connects to a computer system that includes a chat application. Opal's token executes the security application and includes the secrets file. Opal's computing device is referred to below as the originating member. Similarly, Andrew's computing device is a smart phone that has a chat application and a security application. Andrew's smart phone is referred to below as the answering member.

[00130] In the example, Opal opens her chat application on her computer system and connects her token to the computer system. Opal selects Andrew as the recipient of the communication. The chat application sends a request to the token to open a communication session with Andrew. The security application executing on the token receives the request and obtains the group agreed connect name for the group having only Opal and Andrew. The security application also identifies the connection information for Andrew. The security application sends Andrew a communication request to communicate via chat.

[00131] Figs. 6A-6B shows flowcharts from the perspective of the answering member (*i.e.*, Andrew's smart phone). Starting with Fig. 6A, in Step 301, the answering member receives a communication request to communicate using a chat application. Specifically, Andrew's smart phone receives, from Opal's token, a request specifying the group agreed connect name, and an identifier of a chat session. Accordingly, in Step 303, the group agreed connect name is obtained from the communication request.

[00132] In Step 305, the answering member informs Andrew of the communication request. Specifically, the security application on the smart phone may have a notification mechanism, such as an icon, ring tone, or other notification mechanism, that informs Andrew that a communication request is received. At this stage, Andrew may decide whether to accept or reject the communication request. If Andrew rejects the communication request, then the answering member ends the communication session with Opal. (not shown)

[00133] However, if Andrew accepts the communication request, then Andrew submits his username and password. Accordingly, in Step 307, the answering system receives a username and password from Andrew.

[00134] In Step 309, the n-bit generator executing on the answering system generates a first message digest using the username, password, and the group agreed connect name as inputs. For example, the n-bit generator may XOR the username, password, and group agreed connect name to create an intermediate result. The intermediate result may be input to an MD5 hash function to create a pseudo-random string as the first message digest.

[00135] In Step 311, the answering member extracts the secrets file name and the secrets file encryption key from the first message digest. The secrets file name may be, in the example, the last 128 bits of the first message digest and the secrets file encryption key may be, in the example, the first 256 bits of the message digest. Based on the extracted secrets file name, the answering member identifies the secrets file on Andrew's smart phone. Because the first message digest is a pseudo-random bit string, the secrets file name is also pseudo random and can only be identified if the username, group agreed identifier, and password are correct. Thus, by finding the secrets file name, the security application authenticates Andrew as the user of the smart phone. Alternatively, the smart phone might verify the user name and password independent of the secure chat application.

[00136] In Step 313, the answering member decrypts the identified secrets file using the secrets file encryption key. Specifically, the answering member uses the secrets file encryption key and a symmetric encryption algorithm to decrypt the secrets file. From the decrypted secrets file, the answering member extracts the secrets corresponding to the chat application in Step 315. For example, the answering member may identify that the fifth secret is the secret corresponding to the chat application based on a pre-defined configuration parameter or an identifier stored with the fifth secret which is 384 bits and the beginning bit is bit 84.

[00137] Continuing with Fig. 6B, in Step 317, the n-bit generator on the answering system generates a second message digest using the secret. The answering system's encryption module may extract from the fifth secret, the dynamic secret and the static secret and provide the dynamic secret and the static secret as inputs to the n-bit generator. The n-bit generator combines the dynamic secret and the static secret to produce the second message digest. For example, the initial message digest may correspond to message digest (350) shown in example Fig. 6C. Referring to Fig. 6C, a message digest (350) may include an originating member's one-time password (352), discard bits (354), an encryption key most significant bits (356), and a change value (358).

[00138] The originating member's one-time password (352) is a series of bits generated by the n-bit generator for the answering member to authenticate the originating member. Specifically, because both the originating member and the answering member

generate the same message digest (*e.g.*, example message digest (350)), the originating member's one-time password (352) is the same for the first member and the second member. Accordingly, if the first member's one-time password (352) that the first member sends to the second member is identical to the second member's generated first member's one time password, then the second member knows that the first member is authentic. Specifically, the first member knows that the second member received the same input and had an n-bit generator that was capable of performing the same operations. Further, in one or more embodiments, once the first member and second member passwords have been confirmed, an extremely high probability exists that the other corresponding bits of the message digest also match between systems.

[00139] In one or more embodiments of the invention, prior to sending the one-time passwords, the one-time passwords are encrypted using an encryption algorithm and an encryption key. In such embodiments, the one-time passwords are sent encrypted. The receiver may encrypt their generated one-time password and compared the encrypted generated one-time password with the received one-time password. As an alternative, the receiver may decrypt the received one-time password and then compare the decrypted one-time password with the generated one-time password.

[00140] Discard bits (354) are bits that are ignored when creating the encryption solution. Specifically, discard bits are bits that prevent the nefarious user or computer system from understanding the message digest. By having discard bits, the nefarious user or computer system may be unable to ascertain which bits are actually used for the encryption solution.

[00141] The session encryption key most significant bits (MSB) (356) correspond to a portion of the encryption key. Specifically, the encryption key may be divided into one or more parts. A portion of the encryption key may be located in a first message digest while a second portion is located in another message digest. Because all members use the instances of the same n-bit generator to generate the message digests, the encryption key generated by each of the members is the same. Thus, the encryption key does not need to be communicated between the members. Moreover, the encryption key may be stored in the security application and not provided through any interface to any user. Thus, members (and users of the members) that leave the group remain unaware of the encryption key used to encrypt the data.

[00142] In one or more embodiments of the invention, a change value (358) provides a pseudo-random value to spawn a new message digest. For example, the change value may be used to create a new encryption key or create a new dynamic secret. Further, the stored secrets may be inputted to the n-bit generator to spawn temporary use secrets. All of the spawned secrets are used only during a session in accordance with one or more embodiments of the invention. After the session, the spawned secrets are destroyed so as to be no longer accessible or otherwise obtainable through any nefarious methods. Similar to the temporary use secrets, the change value is destroyed once combined with the appropriate dynamic secret value.

[00143] Returning to the example message digest (350), Fig. 6C is only one example of the components of a message digest. Some of the components may be removed while other components may be added.

[00144] Returning to Fig. 6B, in Step 319, the encryption module on the answering system extracts the originating member's one time password, the encryption key's most significant bits, and a change value from the second message digest. The extracted change value is combined with the original dynamic secret in Step 321 to create an interim dynamic secret in the example. The interim dynamic secret may be obtained by performing an XOR operation on the change value and the original dynamic secret plus one.

[00145] Using the interim dynamic secret, the n-bit generator generates the third message digest in Step 323. For example, the initial message digest may correspond to message digest (360) shown in example Fig. 6D. Referring to Fig. 6D, a message digest (360) may include an answering member's one-time password (362), discard bits (364), an encryption key least significant bits (366), and a change value (368). The answering member's one-time password (362), discard bits (364), an encryption key least significant bits (366), and a change value (368) are similar to the originating member's one-time password (352), discard bits (354), an encryption key most significant bits (356), and a change value (358) in Fig. 6C.

[00146] Specifically, the answering member's one-time password (362) is a series of bits generated by the n-bit generator for the originating member to authenticate the answering member. Discard bits (364) are bits that are ignored when creating the

encryption solution. The session encryption key least significant bits (LSB) (366) correspond to a second portion of the encryption key. The change value (368) provides a random value to create a new message digest.

[00147] Returning to the example message digest (360), Fig. 6D is only one example of the components of a message digest. Some of the components may be removed while other components may be added.

[00148] Returning to Fig. 6B, the answering member extracts the answering member's one-time password, the encryption key's least significant bits, the change value from the third message digest.

[00149] Although not discussed above, after the originating member finds the secrets file located on the originating member, the originating member performs the same steps as the answering member. Thus, both the originating member and the answering member generate the second and third message digests. The answering member sends the answering member's one-time password to the originating member in Step 327. The originating member sends the originating member's one-time password to the answering member. Accordingly, the answering member receives the originating member's one-time password in Step 329.

[00150] Both the originating member and the answering member compare the received one-time password with the generated one-time password to determine if the received password is identical to the generated password. For example, in Step 331, the answering member determines whether the received originating member's one-time password is equal to the generated originating member's one-time password. If the two passwords are not equal, then the answering member may stop communication with the originating member. Similarly, although not shown, the originating member determines whether the received answering member's one-time password is equal to the generated answering member's one-time password. If the two passwords are not equal, then the originating member may stop communication with the answering member.

[00151] However, in Step 333, if the passwords are equal, then the encryption key's most significant bits are concatenated with the encryption key's least significant bits to create the encryption key.

[00152] At this stage, Opal and Andrew may start communicating via the chat application. The encryption modules intercept each outgoing communication and encrypt it using the encryption key in Step 335. Similarly, the encryption modules intercept each incoming communication and decrypt it using the encryption key (not shown). Further, Steps 301, 303, and 309-335 in Figs. 6A and 6B may be performed transparently to both Opal and Andrew. Thus, neither Opal nor Andrew need to be aware of the encryption. Further, in one or more embodiments of the invention, both Opal and Andrew cannot view the secrets or the encryption key. Thus, neither Opal nor Andrew can consciously or unconsciously provide a nefarious user with access to the shared secrets.

[00153] Figs. 7A-7E show an example in accordance with one or more embodiments of the invention. The following example is for example purposes only and not intended to limit the scope of the invention. Fig. 7A-7C show an example user interface for the configuration utility in accordance with one or more embodiments of the invention.

[00154] As shown in Fig. 7A, the initial configuration utility window (400) includes an input box for the user to specify the location of the security directory (402) and an input box for the user to specify a location for storing a database about users (404). Input box (402) and input box (404) may be constrained such that only a user corresponding to an administrator can change the location. Alternatively, or additionally, the input box (402) and input box (404) may be constrained so that the user can only provide locations that are on the member itself.

[00155] Additionally, in the example, the initial configuration utility window (400) includes a user manager (406). The user manager (406) allows a user to enter data specific to the user. Specifically, a user name input box (408) and password input box (410) allows the user to enter the username and password, respectively, that the user will use each time the user uses the security application. The user may be prompted to re-enter the user password in an input box (not shown) to verify that the user entered his/her intended password.

[00156] Text box (412) provides a list of groups with whom the user may communicate. Specifically, text box (412) shows a list of the groups that the member has already

added. Entries in the list may be displayed as a nickname of the group, the connect name, or other information useful to the user.

[00157] Check box (414), nick name input box (416), connect name input box (418), and connect input box (420) allows the user to submit data for a specific group. For example, if selected, check box (414) designates that the group includes more than two members. The user may submit the nick name of the group in the nick name input box (416). The user may submit the group agreed connect name of the group in the connect name input box (418). The user may submit the connection information for the group in the connect input box (420). The connect input box (420) may be used for providing the connection information for the entire group. If the check box (414) is selected, the user interface may display additional input boxes to allow a user to submit nick names and connection information for each member of the group. The additional input boxes may be displayed to provide member specific connection information.

[00158] Continuing with the example, Fig. 7B shows a user interface window (422) for submitting the group agreed seed. Specifically, the user interface window (422) may be displayed while the user is adding a new group in one or more embodiments of the invention. The user may enter the group agreed seed in input box (424) and select okay (426) to submit the group agreed seed.

[00159] In response to the user entering the group and/or the user's information, the user interface may display the window (428) shown in Fig. 7C to show that the group has been added. Thus, the secrets file for the group may be generated.

[00160] Fig. 7D shows an example schematic diagram for generating the secrets file name and encryption key/solution. As shown in Fig. 7D, the username (430) that the user submitted in the username input box (408 in Fig. 7A), the password (432) that the user submitted in the password input box (410 in Fig. 7A), and the group agreed connect name (434) that the user submitted in connect name input box (418) are provided as inputs to the n-bit generator (436).

[00161] With the inputs, the n-bit generator (436) produces message digest (438). The message digest includes a secrets file name (440) and a secrets file encryption key (442). Accordingly, secrets created using the group agreed seed submitted in input box (424 in Fig. 7B) are stored in a secrets file, which is saved with secrets file name (440).

The secrets file encryption key (442) is used to encrypt the secrets file. Accordingly, the secrets file is stored in the secrets file directory.

[00162] Fig. 7E shows an example file interface window (444) showing the secrets files directory (referred as key files in Fig. 7E) (446). As shown in the example, the contents of the secrets file directory (448) includes the secrets file and decoy files. However, because the secrets file name and the decoy file names are pseudo-random strings of characters and the secrets file and the decoy files have the same metadata, the secrets file is indistinguishable from the decoy files. For example, the security application may use the n-bit generator and similar procedures to generate the secrets as to generate the decoy files. In the example, the encryption module may call the n-bit generator four times to produce the desired number of secrets bits, and, therefore, times to produce the sufficient bits for each of ten decoy files. As another example, the encryption module may request fifty iterations of the n-bit generator to produce the decoy files and the secrets file. Because the decoy files in the example are similarly produced so as to be indistinguishable, the nefarious computer system or user could not identify the secrets file based on the information provided in the list of files in the file interface window (444).

[00163] Embodiments of the invention may be implemented on virtually any type of computer system regardless of the platform being used. The computing device may be the computer system, execute on the computer system, be an external device of the computer system, etc. For example, as shown in Fig. 8, a computer system (500) includes one or more computing processor(s) (502), associated memory (504) (*e.g.*, random access memory (RAM), cache memory, flash memory, etc.), an internal and/or external storage device (506) (*e.g.*, a hard disk, an optical drive such as a compact disk drive or digital video disk (DVD) drive, a flash memory stick, universal serial bus (USB) drive, smart card, smart phone, etc.), and numerous other elements and functionalities typical of today's computers (not shown). The computer system (500) may also include input means, such as a keyboard (508), a touch screen (512), a mouse (510), or a microphone (not shown). Further, the computer system (500) may include output means, such as a monitor (512) (*e.g.*, a liquid crystal display (LCD), a plasma display, or cathode ray tube (CRT) monitor). The computer system (500) may be connected to a network (514) (*e.g.*, a local area network (LAN), a wide area network

(WAN) such as the Internet, or any other type of network) via a network interface connection; wired or wireless (not shown). Those skilled in the art will appreciate that many different types of computer systems exist, and the aforementioned input and output means may take other forms. Generally speaking, the computer system (500) includes at least the minimal processing, input, and/or output means necessary to practice embodiments of the invention.

[00164] Computer readable program code to perform embodiments of the invention may be stored on a computer readable medium such as a compact disc (CD), a diskette, a tape, physical memory, or any other physical computer readable storage medium that includes functionality to store computer readable program code to perform embodiments of the invention. In one embodiment of the invention the computer readable program code, when executed by a processor(s), is configured to perform embodiments of the invention.

[00165] While the invention has been described with respect to a limited number of embodiments, those skilled in the art, having benefit of this disclosure, will appreciate that other embodiments can be devised which do not depart from the scope of the invention as disclosed herein. Accordingly, the scope of the invention should be limited only by the attached claims.

CLAIMS

What is claimed is:

1. A computing device, comprising a processor and a memory communicably coupled to the processor, said memory storing an application for execution by said processor, which application, when executed by said processor, configures said processor to:
 - generate a secret in response to the computing device receiving a unique user input, and to store said secret at the computing device along with an identifier so as to be retrievable when said unique user input is again provided by a user of the computing device;
 - upon receipt of a first communication including said identifier associated with the secret, prompt the user of the computing device for said unique user input;
 - in response to receiving said unique user input, verify said unique user input; and
 - in response to verifying said unique user input, transmit via a communication interface of the computing device to a remote computer-based station a second communication encoded using the secret, said second communication to authenticate the user to the remote computer-based station.
2. The computing device of claim 1, wherein the secret comprises an encryption key and the application, when executed by said processor, further configures said processor to store the encryption key on the computing device along with other information and to use the identifier to distinguish the encryption key from the other information.
3. The computing device of claim 1, wherein the computing device is a mobile computing device.
4. The computing device of claim 3, wherein the application, when executed by said processor, further configures said processor to await receipt of an invitation to create the secret prior to generating the secret.

5. The computing device of claim 1, wherein the application, when executed by said processor, further configures said processor to store the secret on the computing device in an encrypted format.
6. The computing device of claim 1, wherein the unique user input comprises user credentials.
7. The computing device of claim 1, wherein the first communication and the first and second communications comprise two related communications of a communication session.
8. The computing device of claim 1, wherein the application, when executed by said processor, further configures said processor to create the secret prior to generating the secret.
9. The computing device of claim 4, wherein the secret comprises an encryption key and the application, when executed by said processor, further configures said processor to store the encryption key on the computing device along with other information and to use the identifier to distinguish the encryption key from the other information.
10. The computing device of claim 4, wherein the first communication comprises a request for user credentials of the user of the computing device.
11. The computing device of claim 4, wherein the application, when executed by said processor, further configures said processor to create the secret from the remote computer-based station.
12. The computing device of claim 4, wherein the first and second communications comprise two related communications of a communication session.
13. A mobile computing device, comprising:
 - a processor;
 - a storage medium coupled to the processor and storing a secret; and
 - a memory coupled to the processor and storing a security application, which security application, when executed by the processor, causes the processor to:
 - generate, in response to receipt of a first communication from a remote

host and using an identifier included in the communication, a first key;
obtain, using the first key, the secret from the storage medium;
construct, using the secret as an input to a cryptographic operation, a
pseudorandom output; and
return a second communication to the remote host, said second
communication encrypted using a second key extracted from said
pseudorandom output.

14. The mobile computing device of claim 13, wherein the storage medium further stores a plurality of unique secrets for a corresponding plurality of applications executing at a plurality of remote hosts.

15. The mobile computing device of claim 13, wherein the security application when executed by the processor, further causes the processor to request, via a user interface of the mobile computing device and prior to generating the first key, user credentials from a user of the mobile computing device, and to receive, via the user interface of the mobile computing device said user credentials.

16. The mobile computing device of claim 15, wherein the user credentials comprise a user name and password.

17. A method, comprising:

receiving, via a communication application executing on a mobile
communication device, a first communication from a remote host;
determining, by a processor of the mobile communication device, a first key
by using a component of the first communication from the remote host as an input to a
first cryptographic operation that also requires submission of user credentials of a user
of the mobile communication device, and extracting, using the first key, a stored
secret;
generating, at the mobile communication device and using the stored secret, a
session key and exchanging further communications with the remote host, said further
communications encrypted using said session key.

18. The method of claim 17, wherein generating the session key comprises computing, by the processor, a pseudorandom result of a second cryptographic operation that uses the stored secret as an input.

19. The method of claim 18, wherein the second cryptographic operation comprises generating a message digest using a dynamic secret and a static secret as inputs to an n-bit generator.

20. The method of claim 17, wherein the session key is composed of a first part generated by a second cryptographic operation and a second part generated by a third cryptographic operation.

ABSTRACT

A security application for a computing device, e.g., a mobile phone, allows generation of a secret according to a unique user input (e.g., user credentials). The secret is stored in a directory such that it is retrievable when the unique user input is received via a user interface of a device on which the security application executes or is coupled with. Responsive to receiving an identifier associated with the secret, the security application prompts, e.g., via a user interface of the mobile phone, entry of the unique user input; and, subsequently, verifies the unique user input. Following such verification, the security application provides the secret for use in encoding a communication with a remote computer-based station. Entry of the user credentials may be required prior to the security application generating the secret, and may be responsive to receipt of an invitation (e.g., from the remote computer-based station) to generate it.

Electronic Acknowledgement Receipt	
EFS ID:	36944171
Application Number:	16547459
International Application Number:	
Confirmation Number:	2594
Title of Invention:	SYSTEM AND METHOD FOR AUTHENTICATING USERS
First Named Inventor/Applicant Name:	Guy Fielder
Customer Number:	27571
Filer:	Tarek N. Fahmi/Jennifer Stewart
Filer Authorized By:	Tarek N. Fahmi
Attorney Docket Number:	5101-0005-C8
Receipt Date:	21-AUG-2019
Filing Date:	
Time Stamp:	20:02:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	\$1720
RAM confirmation Number	E20198KK03368736
Deposit Account	
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File Listing:					
Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Drawings-only black and white line drawings	5101-0005-C8_Figures.pdf	389846	no	14
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Information:					
2	Oath or Declaration filed	5101-0005-C8_Declaration.pdf	56205	no	1
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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.

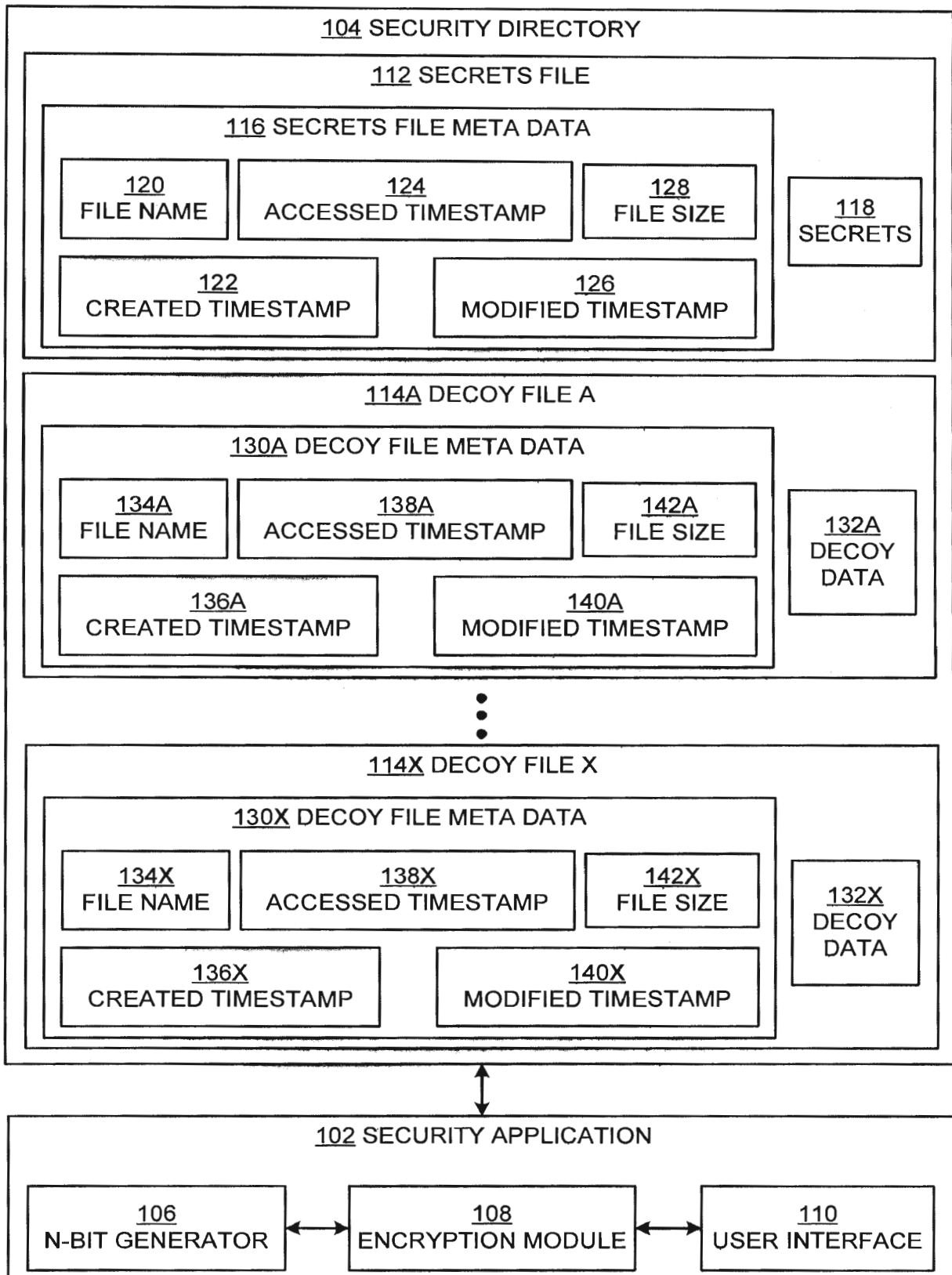


FIG. 1

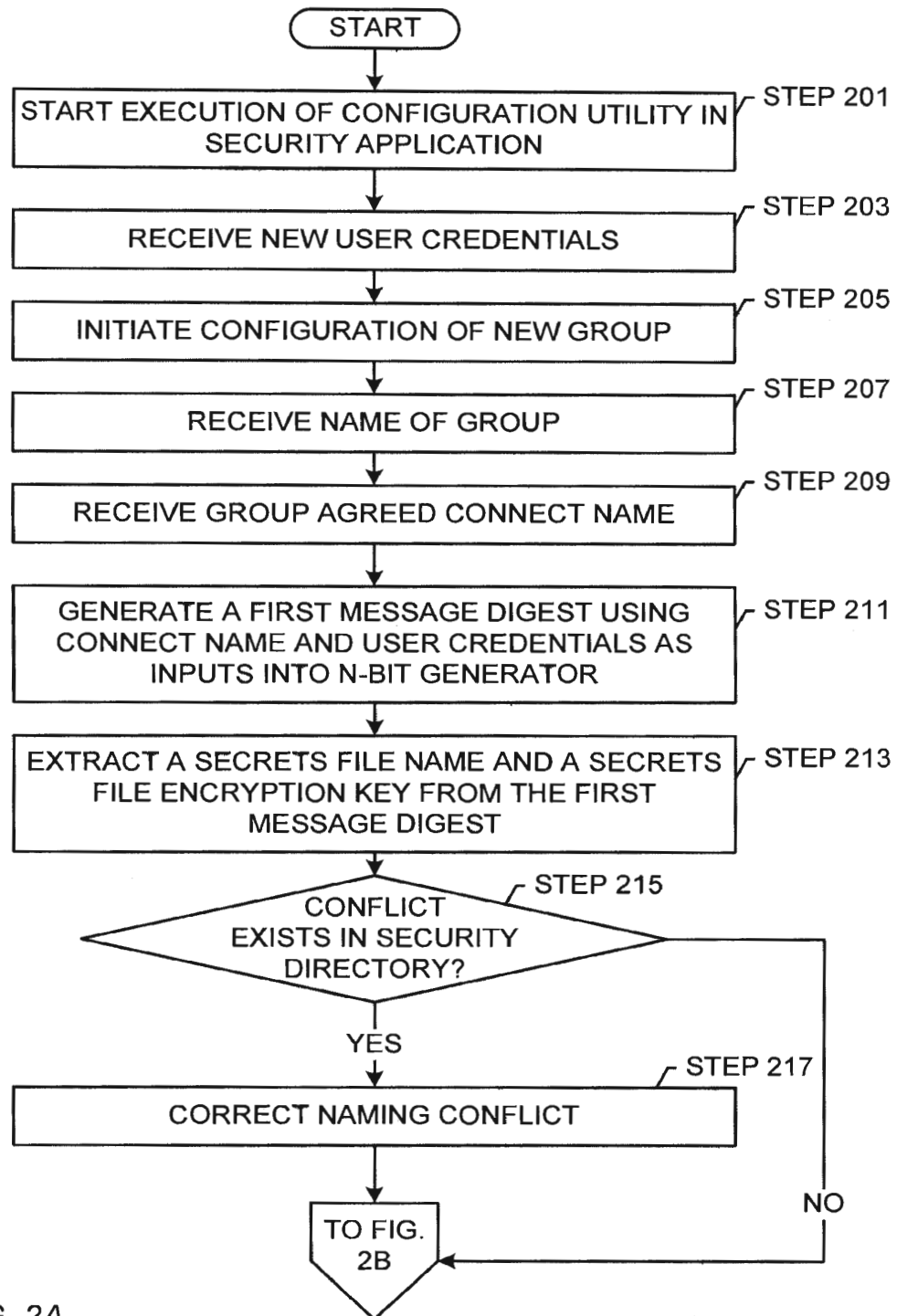
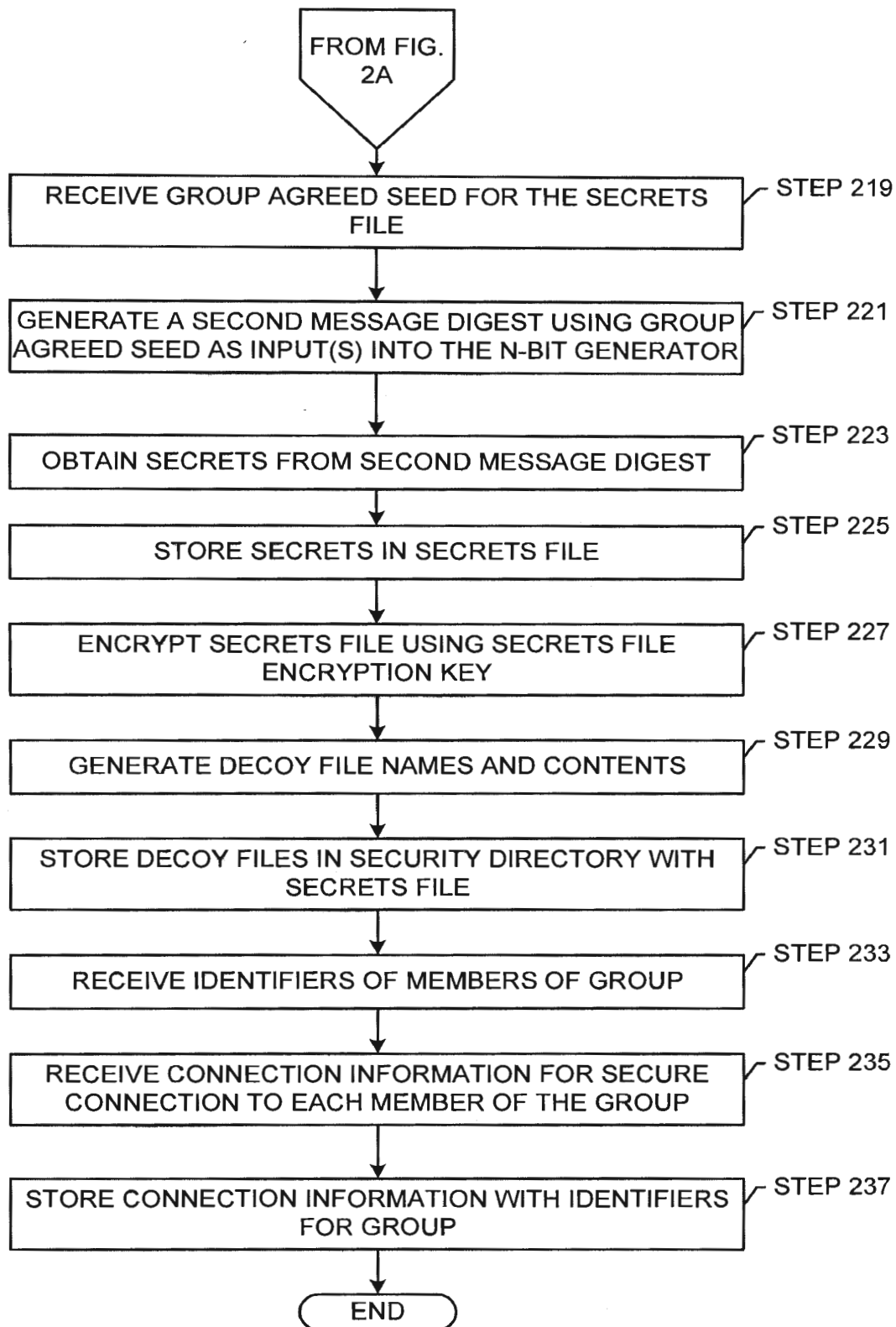
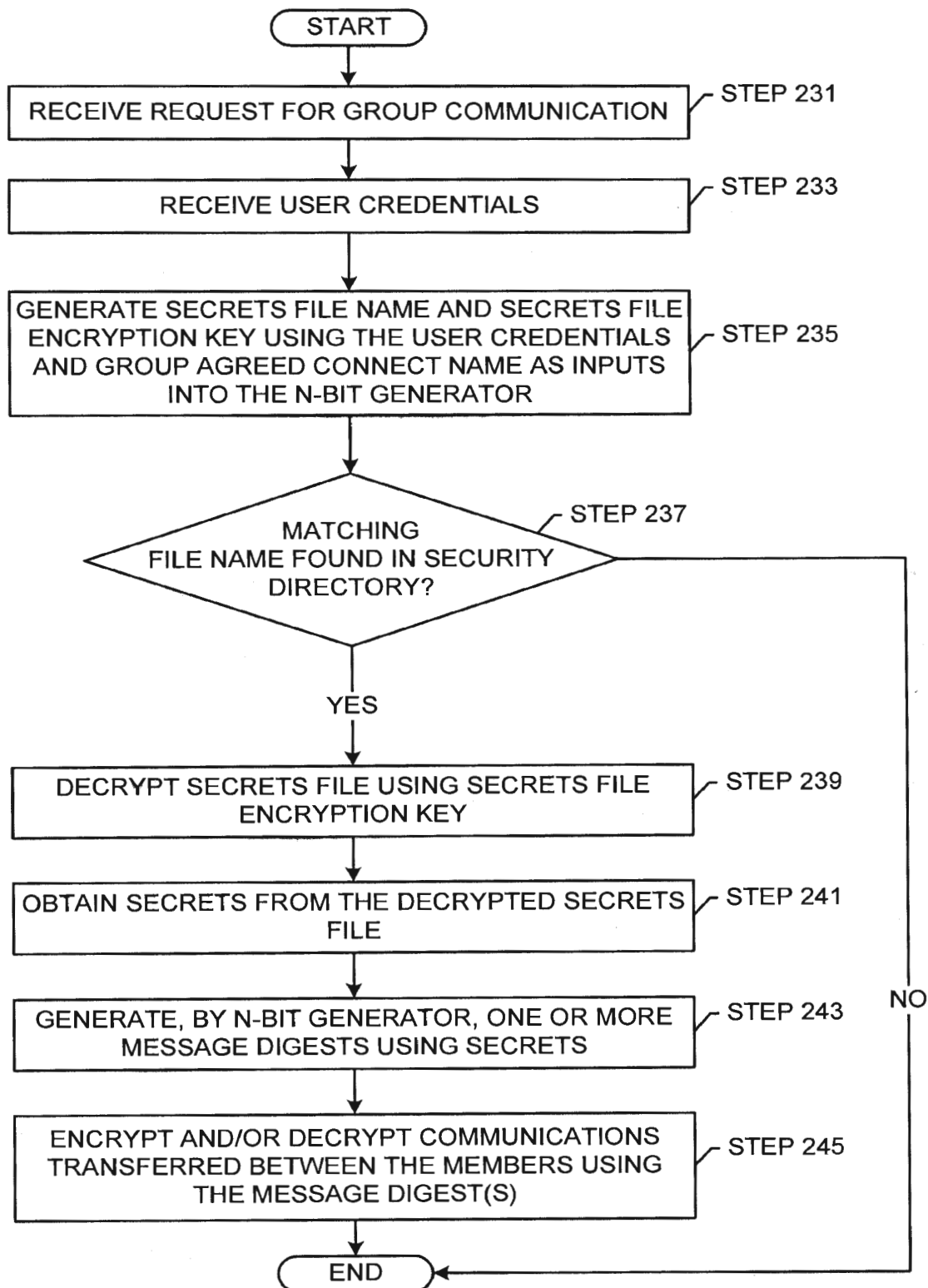
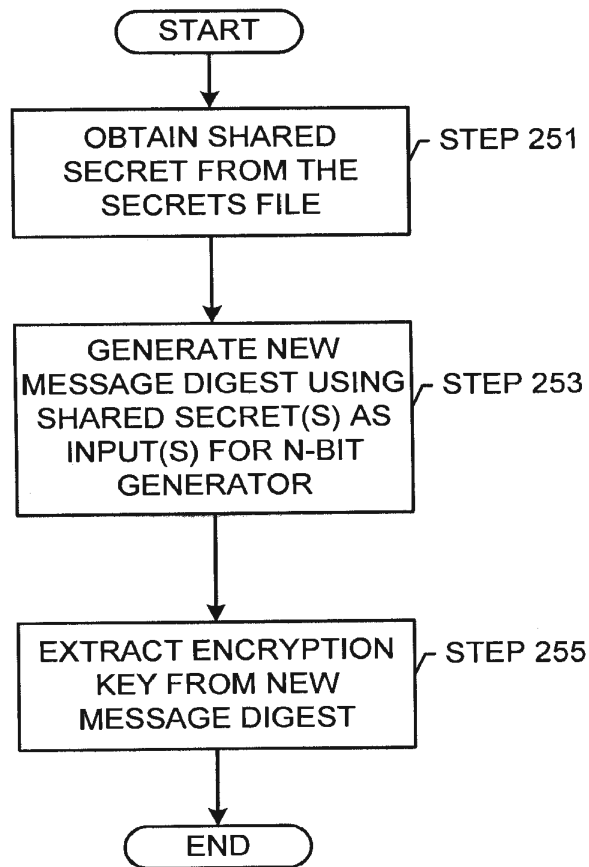
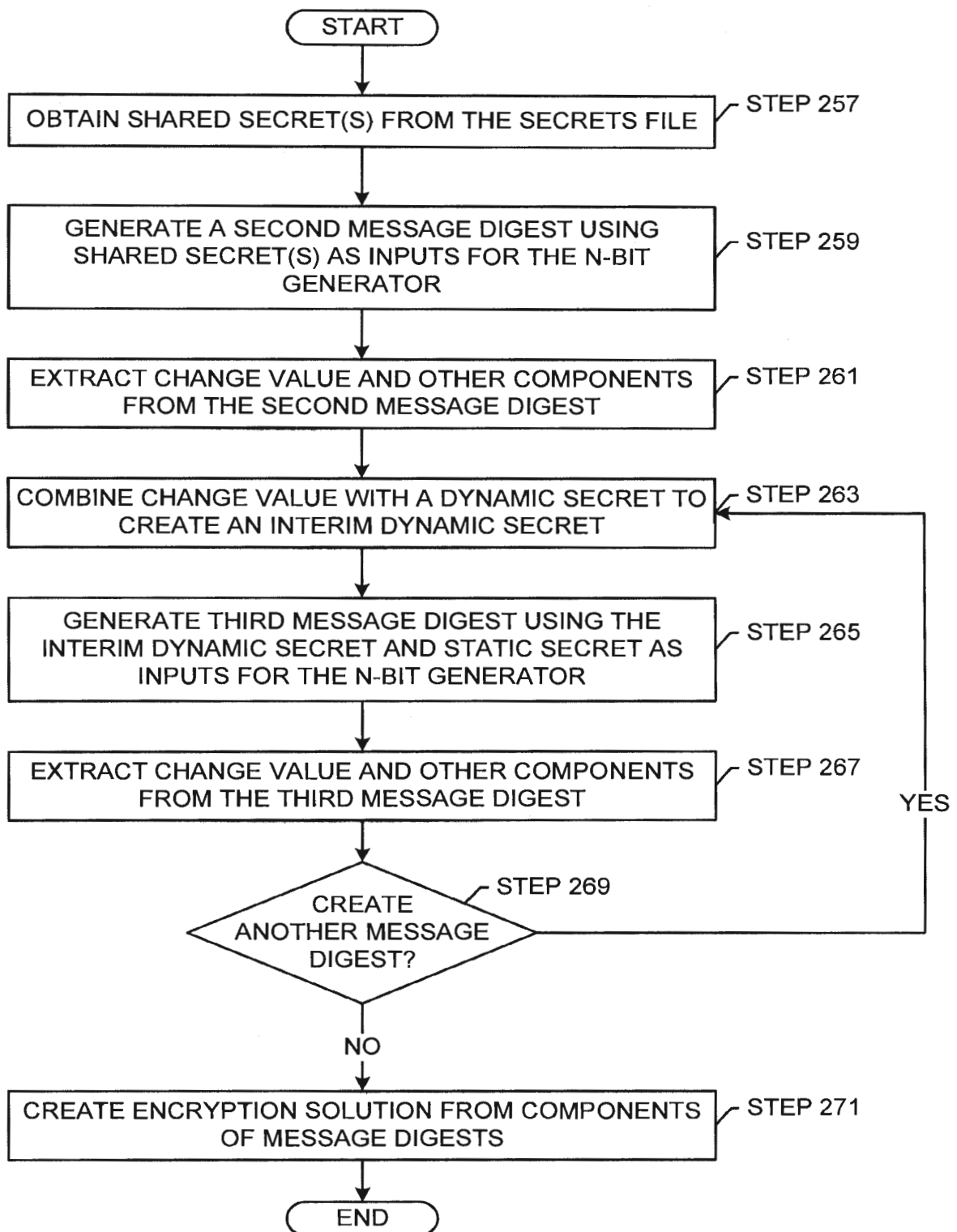


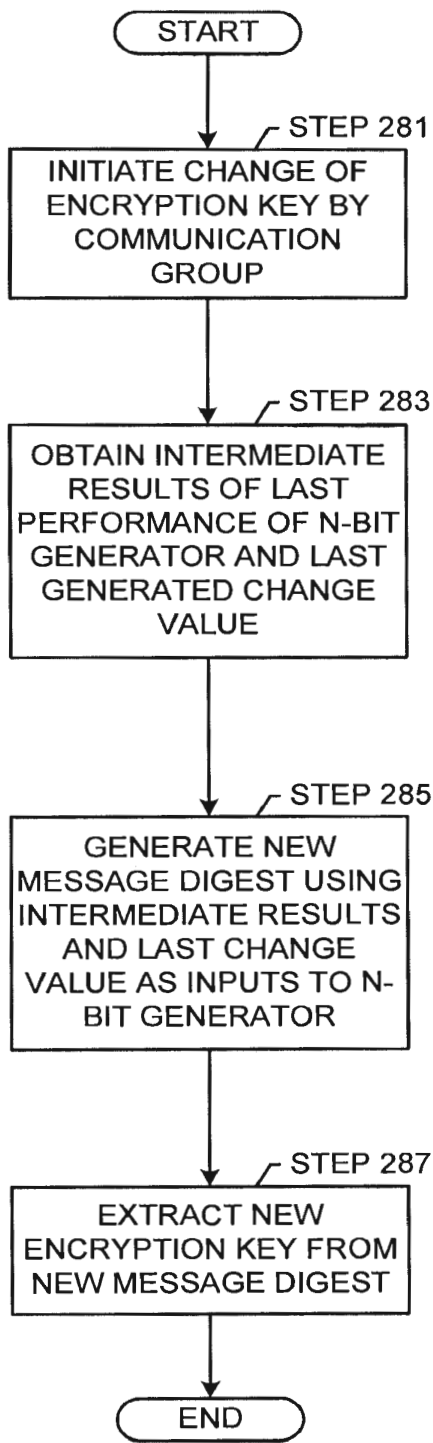
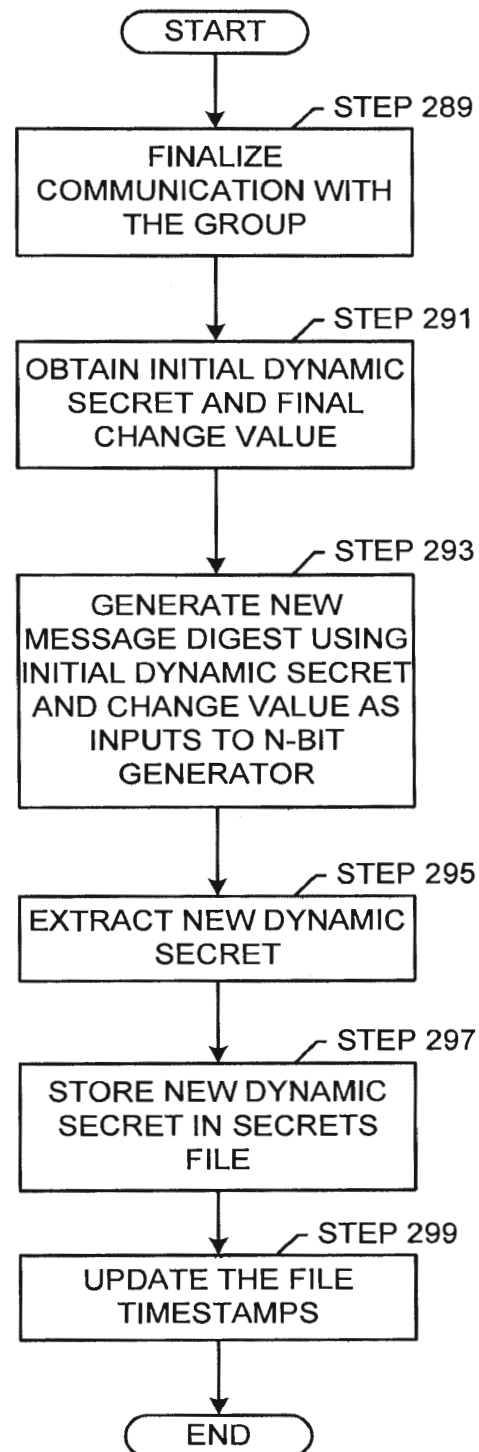
FIG. 2A

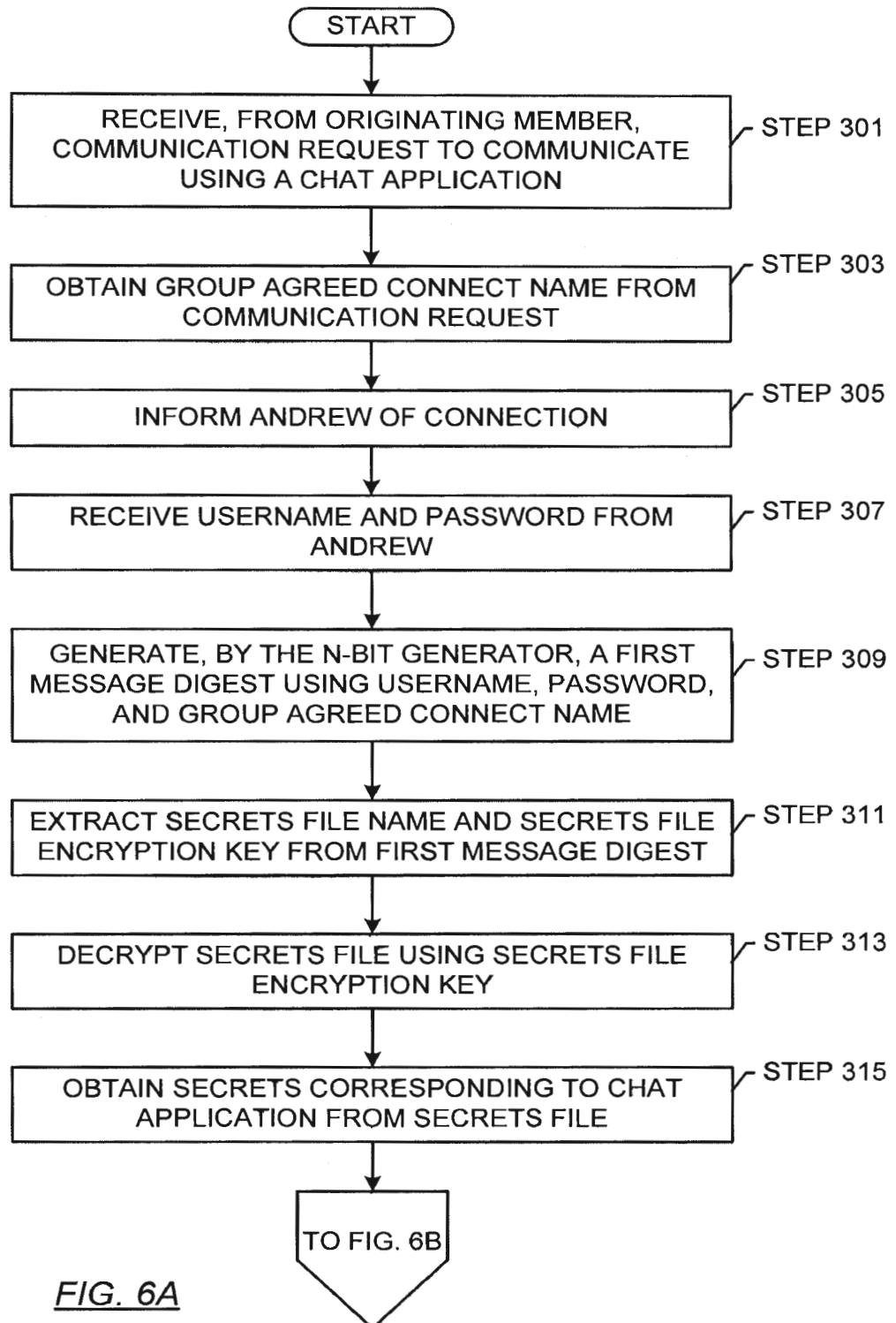
FIG. 2B

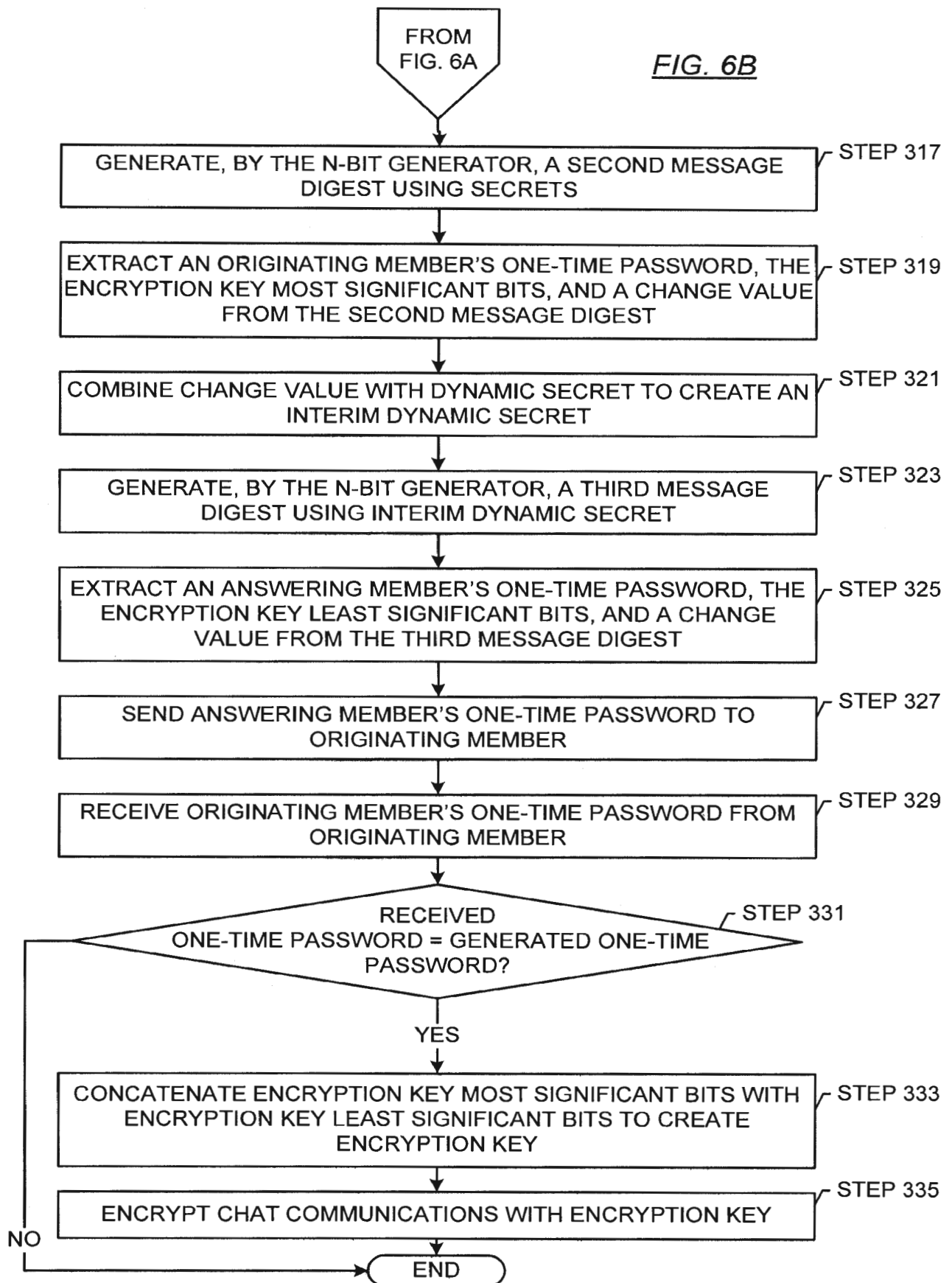
FIG. 3

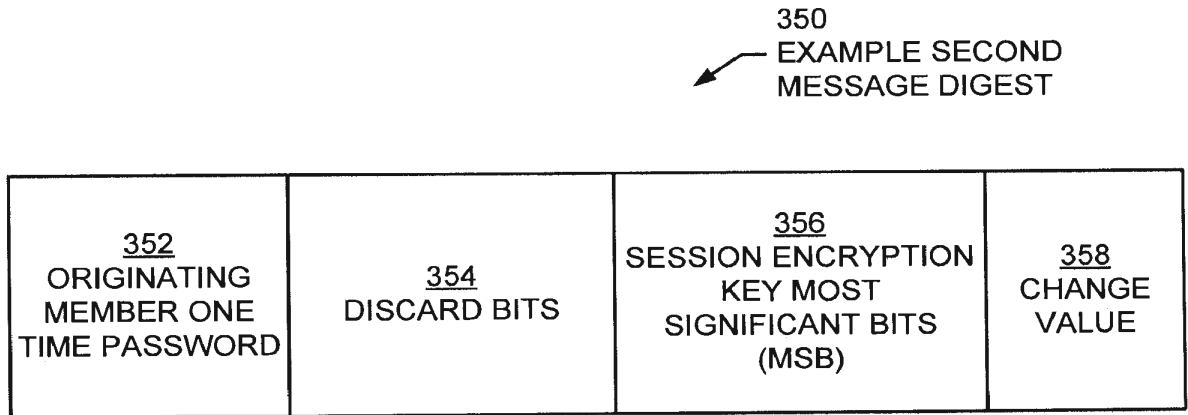
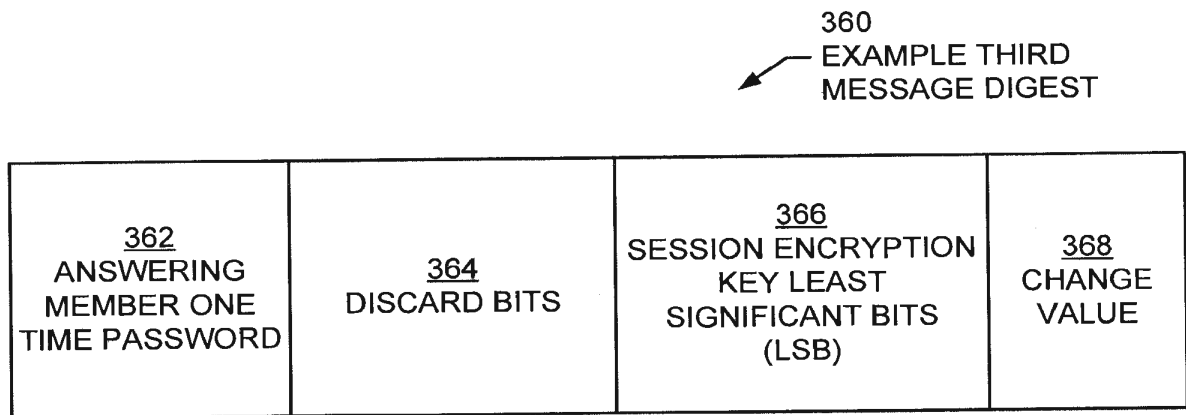
*FIG. 4A*

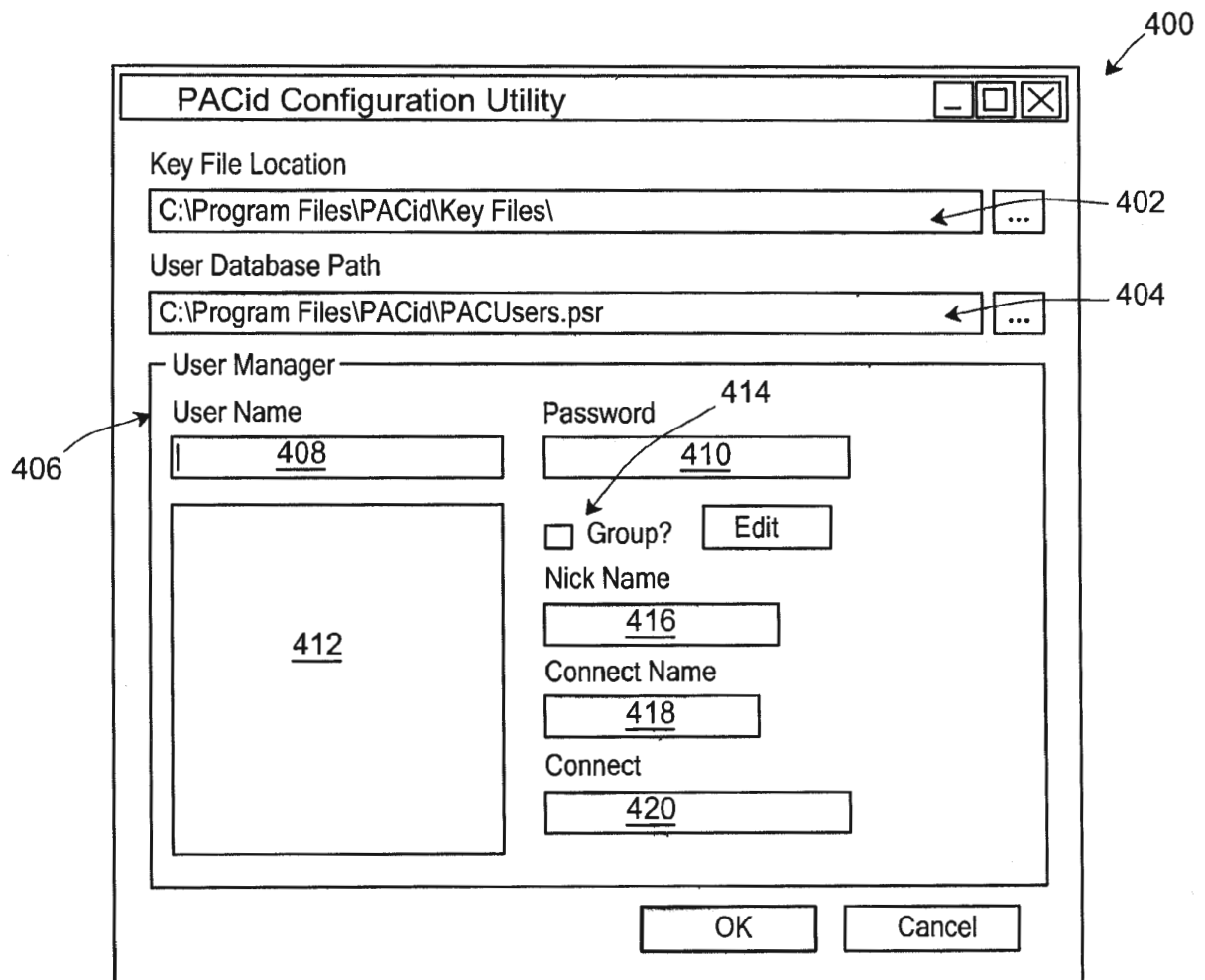
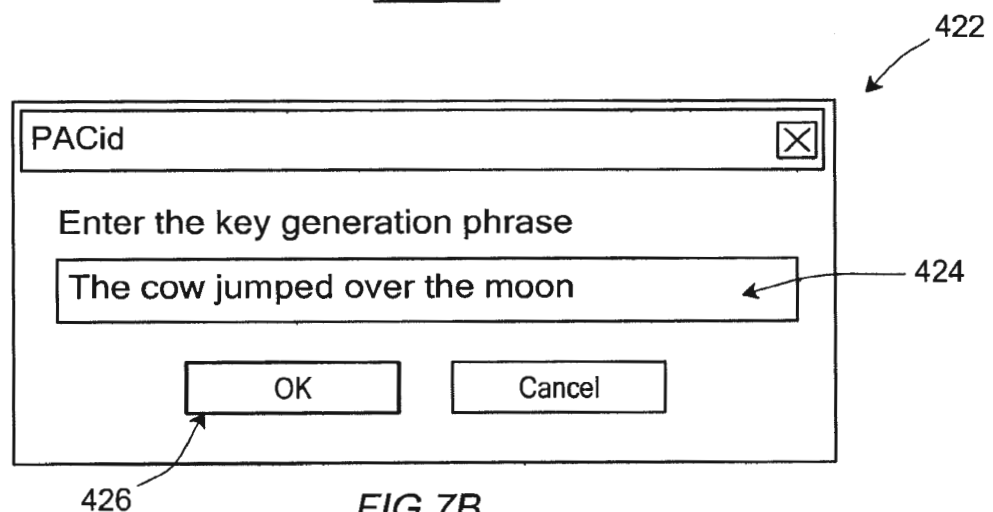
*FIG. 4B*

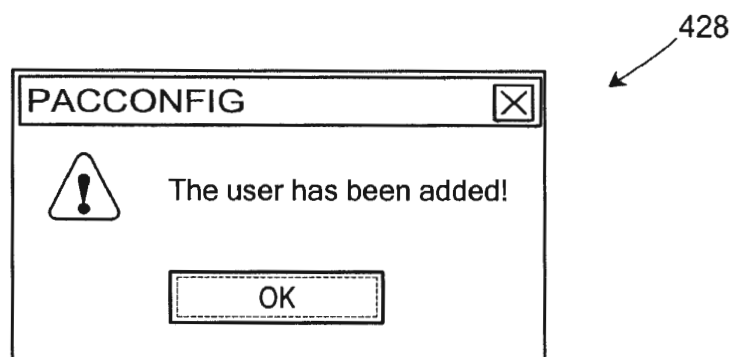
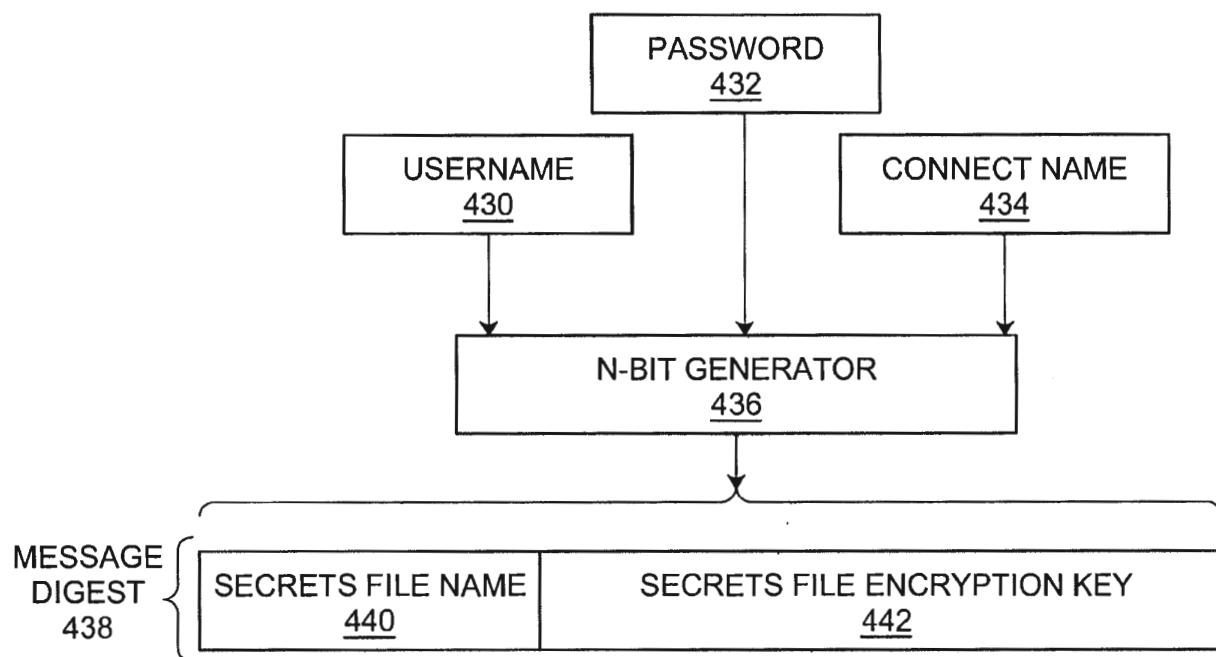
FIG. 5AFIG. 5B

FIG. 6A



FIG. 6CFIG. 6D

FIG. 7AFIG. 7B

FIG. 7CFIG. 7D

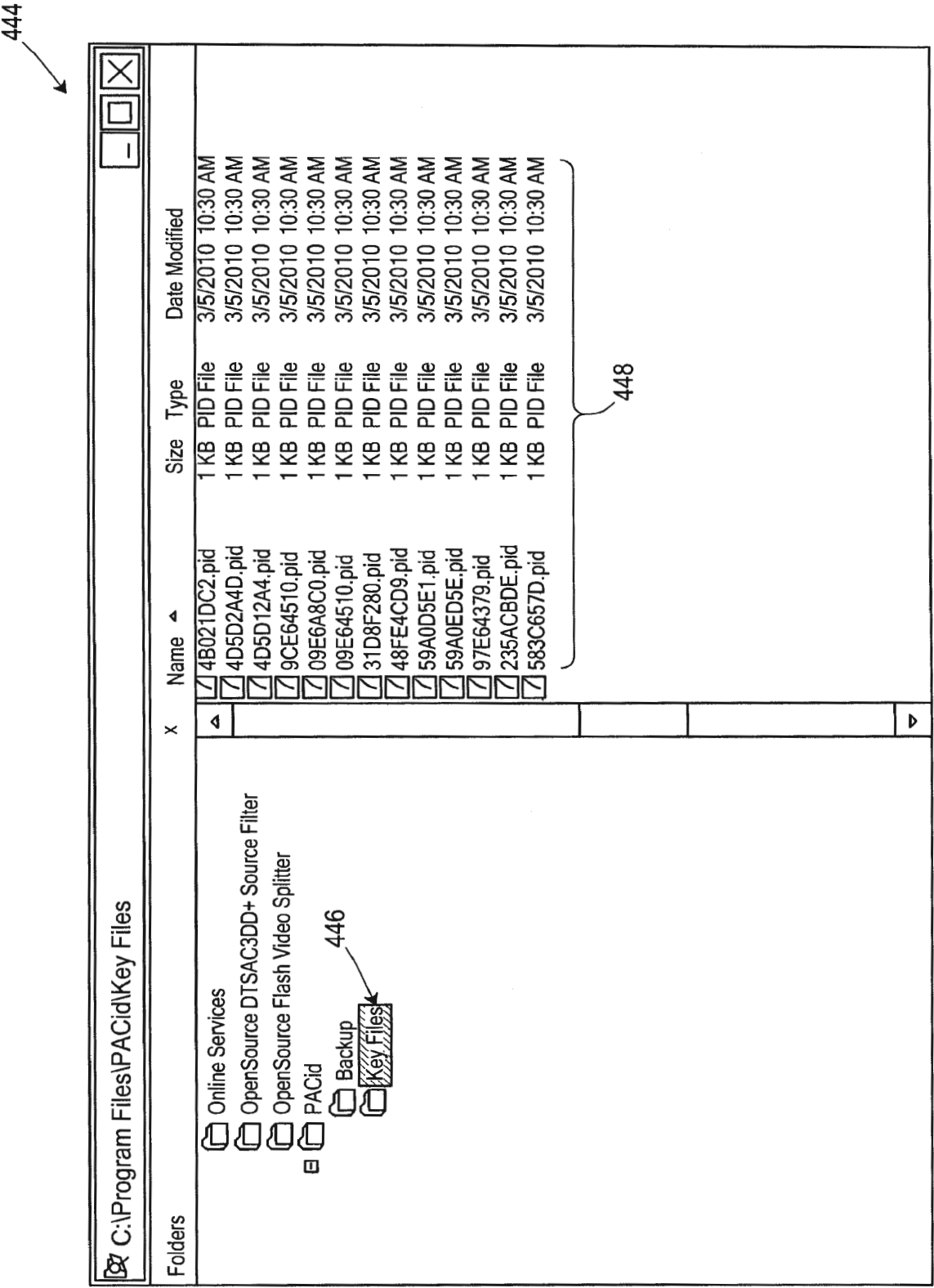
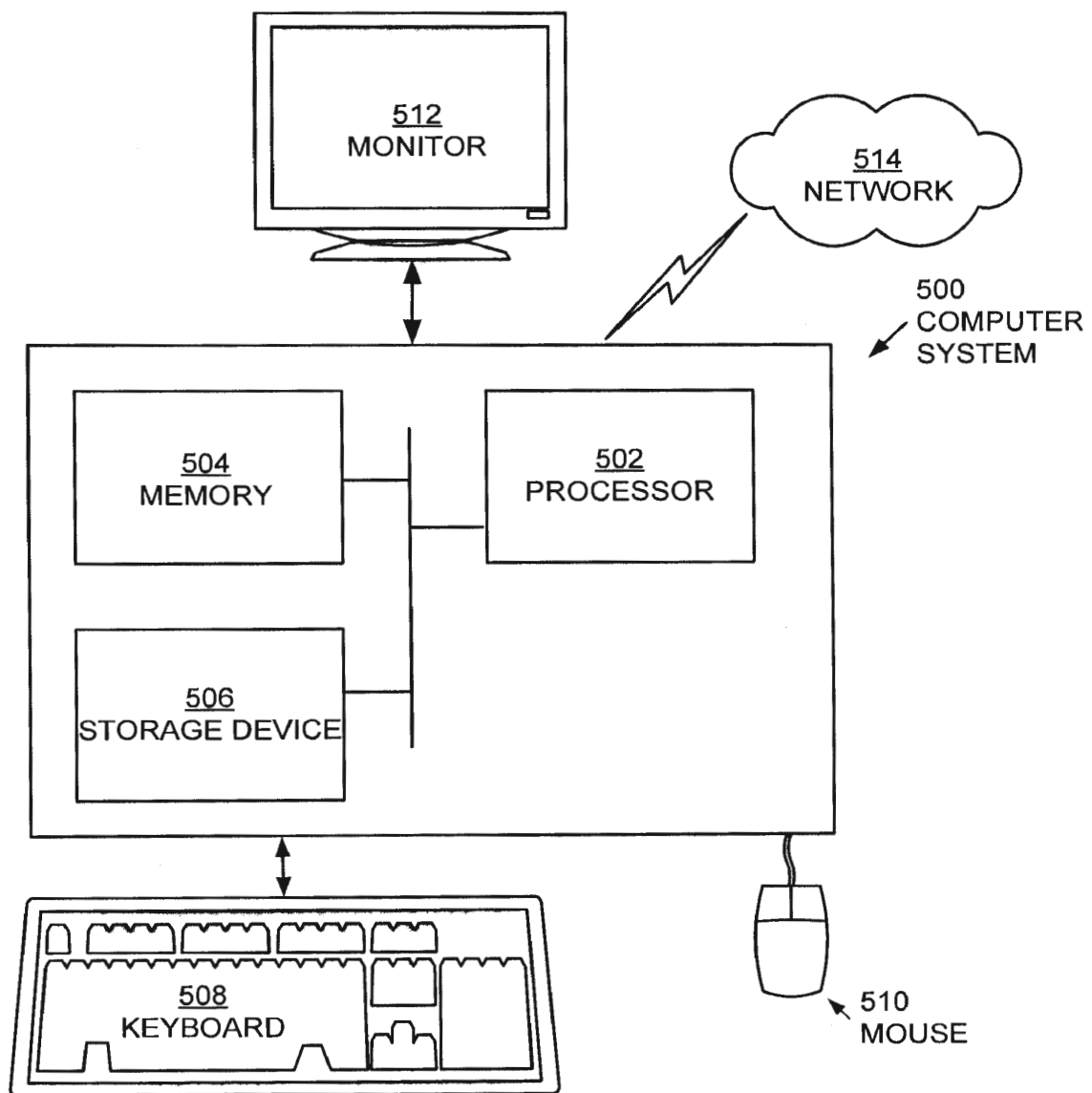


FIG.7E

FIG. 8

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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)**Title of
Invention**

SYSTEM AND METHOD FOR PROTECTING SECRETS FILE

As the below named inventor, I hereby declare that:

This declaration ☒ The attached application, or
is directed to:☐ United States application or PCT international application number _____
filed on _____

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001
by fine or imprisonment of not more than five (5) years, or both.**WARNING:**

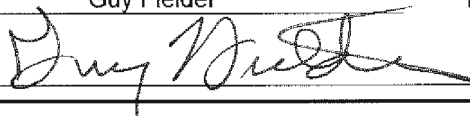
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LEGAL NAME OF INVENTOR

Inventor: _____ Guy Fielder

Date (Optional): Mar 26, 2014

Signature: _____



Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form or must have been previously filed. Use an additional PTO/AIA/01 form for each additional inventor.

22511

PATENT TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: Guy Fielder

Application No.:
Filed: 08-21-2019

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Art Unit: Not Yet Assigned

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

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g. copies of U.S. patents and U.S. published patent applications that need not be included and copies of Non Patent Literature documents that were previously provided in parent application Nos. 16/213,025 filed 12-08-2018, 14/861,630 filed 09-22-2015 and 13/203,327 filed 08-25-2011). It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account No. 50-5798.

Respectfully submitted,

Date: August 21, 2019

/Tarek N. Fahmi/

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