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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

51414 7590 10/03/2023

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

EXAMINER	
KANAAN, SIMON P	

ART UNIT	PAPER NUMBER
2492	

NOTIFICATION DATE	DELIVERY MODE
10/03/2023	ELECTRONIC

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

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

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

JGoodwin@goodwinlaw.com
PSousa-Atwood@goodwinlaw.com
US-PatentBos@goodwinlaw.com

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APPLICATION NO.	ISSUE DATE	PATENT NO.
17/069,151	03-Oct-2023	11777976

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

EGRANT NOTIFICATION

Your electronic patent grant (eGrant) is now available, which can be accessed via Patent Center at https://patentcenter.uspto.gov

The electronic patent grant is the official patent grant under 35 U.S.C. 153. For more information, please visit https://www.uspto.gov/electronicgrants

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APPLICATION NO.	ISSUE DATE	PATENT NO.	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/069,151	10/03/2023	11777976	BST-004C2	3411

51414 7590 09/13/2023

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

ISSUE NOTIFICATION

The projected patent number and issue date are specified above. The patent will issue electronically. The electronically issued patent is the official patent grant pursuant to 35 U.S.C. § 153. The patent may be accessed on or after the issue date through Patent Center at https://patentcenter.uspto.gov/. The patent will be available in both the public and the private sides of Patent Center. Further assistance in electronically accessing the patent, or about Patent Center, is available by calling the Patent Electronic Business Center at 1-888-217-9197.

The USPTO is implementing electronic patent issuance with a transition period, during which period the USPTO will mail a ceremonial paper copy of the electronic patent grant to the correspondence address of record. Additional copies of the patent (i.e., certified and presentation copies) may be ordered for a fee from the USPTO's Certified Copy Center at https://certifiedcopycenter.uspto.gov/index.html. The Certified Copy Center may be reached at (800)972-6382.

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 235 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 Center (https://patentcenter.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 Patents Stakeholder Experience (OPSE), Stakeholder Support Division (SSD) at (571)-272-4200.

INVENTOR(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional inventors):

Stephen Wayne Boyer, Waltham, MA;
Nagarjuna Venna, Waltham, MA;
Megumi Ando, Cambridge, MA;

APPLICANT(s) (Please see PATENT CENTER site https://patentcenter.uspto.gov for additional applicants):

BitSight Technologies, Inc., Boston, MA;

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

7590 08/25/2023

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

EXAMINER	
KANAAN, SIMON P	
ART UNIT	PAPER NUMBER
2492	
NOTIFICATION DATE	DELIVERY MODE
08/25/2023	ELECTRONIC

NOTICE OF NON-COMPLIANT INFORMATION DISCLOSURE STATEMENT

An Information Disclosure Statement (IDS) filed 08/22/2023 in the above-identified application fails to meet the requirements of 37 CFR 1.97(d) for the reason(s) specified below. Accordingly, the IDS will be placed in the file, but the information referred to therein has not been considered.

The IDS is not compliant with 37 CFR 1.97(d) because:

☑ The IDS lacks a statement as specified in 37 CFR 1.97(e).

☐ The IDS lacks the fee set forth in 37 CFR 1.17(p).

☐ The IDS was filed after the issue fee was paid. Applicant may wish to consider filing a petition to withdraw the application from issue under 37 CFR 1.313(c) to have the IDS considered. See MPEP 1308.

C. Garner, for

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

PTO/SB/08a (07-09)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 14 of 33

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A248	US-2016/0364496-A1	12-15-2016	Li	
	A249	US-2016/0373485-A1	12-22-2016	Kamble	
	A250	US-2017/0048267-A1	02-16-2017	Yampolskiy et al.	
	A251	US-2017/0063901-A1	03-02-2017	Muddu et al.	
	A252	US-2017/0142148-A1	05-18-2017	~~BU-ER et al.~~ Bußer, et al.	
	A253	US-2017/0161409-A1	06-08-2017	Martin	
	A254	US-2017/0213292-A1	07-27-2017	Sweeney et al.	
	A255	US-2017/0221072-A1	08-03-2017	AthuluruTlrumala et al.	
	A256	US-2017/0236078-A1	08-17-2017	Rasumov	
	A257	US-2017/0237764-A1	08-17-2017	Rasumov	
	A258	US-2017/0279843-A1	09-28-2017	Schultz et al.	
	A259	US-2017/0300911-A1	10-19-2017	Alnajem	
	A260	US-2017/0316324-A1	11-02-2017	Barrett et al.	
	A261	US-2017/0318045-A1	11-02-2017	JOHNS et al.	
	A262	US-2017/0324766-A1	11-09-2017	Gonzalez	
	A263	US-2017/0337487-A1	11-23-2017	Nock et al.	
	A264	US-2018/0013716-A1	01-11-2018	Connell et al.	
	A265	US-2018/0103043-A1	04-12-2018	Kupreev et al.	
	A266	US-2018/0121659-A1	05-03-2018	Sawhney et al.	

Change(s) applied to document, /M.I.G./ 6/9/2023

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] *(if known)*	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]

Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

*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.

All References Considered Except Where Lined Through. /S.P.K/

Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Wayne Boyer et al.

Application No.: 17/069,151 | Confirmation No.: 3411

Filed: October 13, 2020 | Art Unit: 2492

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM | Examiner: S. P. Kanaan

Filed Electronically

COMMENTS ON STATEMENT OF REASONS FOR ALLOWANCE UNDER 37 C.F.R. § 1.104(e)

Applicant has received the Examiner's Statement of Reasons for Allowance with the May 23, 2023 Notice of Allowance and Allowability regarding the above-identified application. Entry of the Statement into the record should not be construed as any agreement with or acquiescence in the reasoning stated by the Examiner. Each of the claims stands on its own merits and is patentable because of the combination it recites and not because of the presence or absence of any one particular element. The Examiner's Statement was not prepared by Applicant and only contains the Examiner's possible positions in one or more reasons for allowability. Thus, any interpretation with respect to the Examiner's Statement of Reasons for Allowance should not be imputed to the Applicant.

Dated: August 22, 2023

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

IPTS/124213846.1

Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Stephen Wayne Boyer et al.	Allowed: May 23, 2023
Application No.: 17/069,151	Confirmation No.: 3411
Filed: October 13, 2020	Art Unit: 2492
For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	Examiner: S. P. Kanaan

Filed Electronically

INFORMATION DISCLOSURE STATEMENT (IDS)

The references listed on the enclosed Form PTO/SB/08 are submitted solely in compliance with the duty of candor. It is understood that this Information Disclosure Statement does not fall within the provisions of 37 C.F.R. §1.97. Nonetheless, entry and consideration are respectfully requested. Alternatively, entry of this paper into the file without consideration is respectfully requested.

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted.

Applicant hereby apprises the Examiner of the following patent applications, including the contents of the file wrappers, the claims, any Office Actions issued therein, and any Notices of Allowance issued therefor:

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-001	15/271,655 Published as: US 2018/0083999	SELF-PUBLISHED SECURITY RISK MANAGEMENT	September 21, 2016
BST-002	15/377,574 9,705,932	METHODS AND SYSTEMS FOR CREATING, DE-DUPLICATING, AND ACCESSING DATA USING AN OBJECT STORAGE SYSTEM	December 13, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-003	14/021,585 9,438,615 Published as: US2015/0074579	SECURITY RISK MANAGEMENT	September 9, 2013
BST-003C1	15/216,955 10,326,786 Published as: US 2016/0330231	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	July 22, 2016
BST-003C2	15/239,063 10,341,370 Published as: US2017/0093901	SECURITY RISK MANAGEMENT	August 17, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-003C3	16/405,121 10,785,245 Published as: US2019/0260791	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	May 7, 2019
BST-003C4	17/025,930 11,652,834 Published as: US2021/0006581	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	September 18, 2020
BST-003C5	18/297,863 Published as: US2023/0247041	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	April 10, 2023
BST-004	13/240,572 10,805,331 Published as: US2016/0205126	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	September 22, 2011
BST-004C1	14/944,484 9,973,524 Published as: US2016/0323308	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	November 18, 2015
BST-004C1CP	15/142,677 9,830,569 Published as: US2016/0239772	SECURITY ASSESSMENT USING SERVICE PROVIDER DIGITAL ASSET INFORMATION	April 29, 2016
BST-007	15/134,845 9,680,858	ANNOTATION PLATFORM FOR A SECURITY RISK SYSTEM	April 21, 2016
BST-008	15/044,952	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND	February 16, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
	11,182,720 Published as: US2017/0236077	SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	
BST-008C2	15/089,375 10,176,445 Published as: US2017/0236079	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	April 1, 2016
BST-009DA	29/598,298 D835,631	COMPUTER DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DB	29/598,299 D818,475	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DC	29/599,622 D847169	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-009DD	29/599,620 D846,562	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-010	16/015,686 10,425,380 Published as: US2018/0375822	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	June 22, 2018
BST-010C1	16/543,075 10,554,619 Published as: US Published as: US2019/0379632	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	August 16, 2019
BST-010C2	16/738,825 10,893,021	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO	January 9, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
	Published as: US2020/0153787	ORGANIZATIONS USING USER ACTIVITY DATA	
BST-010C3	17/146,064 11,627,109 Published as: US2021/0218702	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 11, 2021
BST-011	15/918,286 10,257,219	CORRELATED RISK IN CYBERSECURITY	March 12, 2018
BST-011C1	16/292,956 10,594,723 Published as: US2019/0297106	CORRELATED RISK IN CYBERSECURITY	March 5, 2019
BST-011C2	16/795,056 10,931,705 Published as: US2020/0195681	CORRELATED RISK IN CYBERSECURITY	February 19, 2020
BST-011C3	17/179,630 Published as: US2021/0176269	CORRELATED RISK IN CYBERSECURITY	February 19, 2021
BST-011C4	18/365,384	CORRELATED RISK IN CYBERSECURITY	August 4, 2023
BST-012	16/170,680 10,521,583	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	October 25, 2018
BST-012C1	16/688647 10,776,483 Published as: US2020/0134174	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	November 19, 2019

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-012C2	17/000,135 11,126,723 Published as: US2021/0004457	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	August 21, 2020
BST-012C3	17/401,683 Published as: US2021/0374243	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	August 13, 2021
BST-012C4	18/333,768	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	June 13, 2023
BST-013	15/954,921 10,812,520 Published as: US2019/0319979	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	April 17, 2018
BST-013C1	17/014,495 11,671,441 Published as: US2020/0404017	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	September 8, 2020
BST-013C2	18/302,925	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	April 19, 2023
BST-014	16/549,764 Published as: US2021/0058421	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	August 23, 2019

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-014C1	16/787650 10,749,893	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	February 11, 2020
BST-015	16/583,991 10,848,382	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	September 26, 2019
BST-015C1	17/085,550 11,329,878 Published as: US2021/0099347	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	October 30, 2020
BST-016D	29/666,942 D892,135	COMPUTER DISPLAY WITH GRAPHICAL USER INTERFACE	October 17, 2018
BST-017	16/360,641 11,200,323 Published as: US2020/0125734	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	March 21, 2019
BST-017C1	17/523166 Published as: US2022/0121753	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	November 10, 2021
BST-018	16/514,771 10,726,136	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 17, 2019
BST-018C1	16/922,673 11,030,325 Published as: US2021/0019424	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 7, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-018C2	17/307,577 11,675,912 Published as: US2021/0211454	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	May 4, 2021
BST-018C3	18/138,803	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	April 25, 2023
BST-019D	29/677306 D905702	COMPUTER DISPLAY SCREEN WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE	January 18, 2019
BST-020	16/775,840 10,791,140	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	January 29, 2020
BST-020C1	17/018,587 11,050,779	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	September 11, 2020
BST-021	16/779,437 10,893,067 Published as: US2021/0243221	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	January 31, 2020
BST-021D1	17/132,512 11,595,427 Published as: US2021/0243221	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	December 23, 2020
BST-021D1C1	18/158,594	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	January 24, 2023

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-022	17/119,822 11,122,073	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND MANAGEMENT	December 11, 2020
BST-022D	29/815,855	COMPUTER DISPLAY WITH A GRAPHICAL USER INTERFACE FOR CYBERSECURITY RISK MANAGEMENT	November 17, 2021
BST-022D1	17/392,521 11,689,555 Published as US 2022/0191232	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND MANAGEMENT	August 3, 2021
BST-022D1C1	18/141,654	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND MANAGEMENT	May 1, 2023
BST-023	16/802,232 10,764,298	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	February 26, 2020
BST-023C1	16/942,452 11,265,330 Published as: US2021/0266324	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	July 29, 2020
BST-023DA	29/725724	COMPUTER DISPLAY WITH RISK VECTORS GRAPHICAL USER INTERFACE	February 26, 2020
BST-023DB	29/736,641 D937870	COMPUTER DISPLAY WITH PEER ANALYTICS GRAPHICAL USER INTERFACE	June 2, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-024	17/039,675 11,032,244 Published as: US2021/0099428	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	September 30, 2020
BST-024C1	17/320,997 Published as US 2021/0344647	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	May 14, 2021
BST-026	16/884,607 11,023,585	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	May 27, 2020
BST-026C1	17/236,594 11,720,679 Published as: US2021/0374246	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	April 21, 2021
BST-026C2	18/335,384	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	June 15, 2023
BST-029	17/710,168 Published as: US2022/0318400	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY RISK IN A WORK FROM HOME ENVIRONMENT	March 31, 2022
BST-030	17/945,337 Published as US2023/0091953	SYSTEMS AND METHODS FOR PRECOMPUTATION OF DIGITAL ASSET INVENTORIES	September 15, 2022
BST-031	18/359,183	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY EFFICACY OF ENTITIES AGAINST COMMON CONTROL AND MATURITY FRAMEWORKS USING EXTERNALLY-OBSERVED DATASETS	July 26, 2023

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-032	17/856,217 Published as: US2023/0004655	SYSTEMS AND METHODS FOR ACCELERATING CYBERSECURITY ASSESSMENTS	July 1, 2022
BST-034	18/162,154 Published as: US2023/0244794	SYSTEMS AND METHODS FOR ASSESSMENT OF CYBER RESILIENCE	January 31, 2023
BST-035	18/328,142	SYSTEMS AND METHODS FOR MODELING CYBERSECURITY BREACH COSTS	June 2, 2023

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 07-1700, under Order No. BST-004C2 from which the undersigned is authorized to draw.

Dated: August 22, 2023

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

PTO/SB/08a (07-09)
Approved for use through 05/31/2024. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449/PTO E

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Wayne Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-7,124,055	10-17-2006	Breiman, Leo	
	A2	US-7,389,262	06-17-2008	Lange, Jeffrey	
	A3	US-8,150,538	04-03-2012	Dubinsky, William J.	
	A4	US-8,359,651	01-22-2013	Wu et al.	
	A5	US-8,370,938	02-05-2013	Daswani et al.	
	A6	US-8,683,584	03-25-2014	Daswani et al.	
	A7	US-8,898,776	11-25-2014	Molnar et al.	
	A8	US-9,323,930	04-26-2016	Satish, Sourabh	
	A9	US-9,432,383	08-30-2016	Johns et al.	
	A10	US-9,548,988	01-17-2017	Roundy et al.	
	A11	US-10,084,817	09-25-2018	Saher et al.	
	A12	US-10,242,180	03-26-2019	Haefner et al.	
	A13	US-10,453,142	10-22-2019	Mun, Johnathan	
	A14	US-10,572,945	02-25-2020	McNair, Douglas S.	
	A15	US-11,334,832	05-17-2022	Dumoulin et al.	
	A16	US-11,455,322	09-27-2022	Yang et al.	
	A17	US-2004/0111358-A1	06-10-2004	Lange et al.	
	A18	US-2009/0204235-A1	08-13-2009	Dubinsky, William J.	
	A19	US-2010/0114757-A1	05-06-2010	Jeng et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	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]

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.

PTO/SB/08a (07-09)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 3

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Wayne Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A20	US-2012/0254993-A1	10-04-2012	Sallam, Ahmed Said	
	A21	US-2012/0255021-A1	10-04-2012	Sallam, Ahmed Said	
	A22	US-2012/0290498-A1	11-15-2012	Jones, Michael	
	A23	US-2013/0238527-A1	09-12-2013	Jones, Michael	
	A24	US-2013/0347116-A1	12-26-2013	Flores et al.	
	A25	US-2014/0137254-A1	05-15-2014	OU et al.	
	A26	US-2015/0088783-A1	03-26-2015	Mun, Johnathan	
	A27	US-2016/0104071-A1	04-14-2016	Brueckner, Sven A.	
	A28	US-2018/0218157-A1	08-02-2018	Price et al.	
	A29	US-2018/0332076-A1	11-15-2018	CALLAHAN et al.	
	A30	US-2019/0065748-A1	02-28-2019	Foster et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	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]

Examiner Signature		Date Considered	

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PTO/SB/08b (07-09)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	3	of	3

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Wayne Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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.	T[2]

Examiner Signature		Date Considered	

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[1] Applicant's unique citation designation number (optional). [2] Applicant is to place a check mark here if English language Translation is attached.

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/069,151	**08/22/2023 12:43:04 PM ET**	**BST-004C2**

Title of Invention

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	3411	FILED BY	Anna Beaulieu
PATENT CENTER #	62654358	FILING DATE	10/13/2020
CUSTOMER #	51414	FIRST NAMED INVENTOR	Stephen Wayne Boyer
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Hunter Malboeuf

Documents

TOTAL DOCUMENTS: 3

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
BST-004C2 - ISSFEE.pdf	1	Issue Fee Payment (PTO-85B)	37 KB
BST-004C2 - DOC IDS.pdf	14	Information Disclosure Statement (IDS) Form (SB08)	109 KB
Warning: This is not a USPTO supplied IDS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.			
BST-004C2 - CSRA.pdf	1	Post Allowance Communication - Incoming	19 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
BST-004C2 - ISSFEE.pdf	7DCFC0439BC57F20349DE00175CBA301CAA36307421BB5213 73B1641224EF0CAB125A99B21E04524F6B3BFDE40DE6356E3 50052CEC70D5F1520ACD78EFF13B1C
BST-004C2 - DOC IDS.pdf	883F58E48DF765DD3FF159CC8660D2919C4849802CA76F3CB CF7FE91811F4EA462D2BFDC173449F3AB077833EF43CF9DC1 A8FC3F49B2B1629B4D150DE9FAD4A2
BST-004C2 - CSRA.pdf	4BF1546B677F585867757BBDBC086F55BF218F26BBA05D8DD 7585FD3A8C85C54873A0ED1A624D2DAE8E10E73F2C48CCE6 DCFFE199543C28A07836EB0EEE68975

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

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

PART B–FEE(S) TRANSMITTAL

Complete and send this form, together with the 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, VA 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 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. **Because electronic patent issuance may occur shortly after issue fee payment, any desired continuing application should preferably be filed prior to payment of this issue fee in order not to jeopardize copendency.**

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

GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210

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
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

TITLE OF INVENTION: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

APPLN: TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480.00	$0.00	$0.00	$480.00	08/23/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
S. P. Kanaan	2492	726-025000

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/AIA/47 or 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. Goodwin Procter LLP
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: BitSight Technologies, Inc.

(B) RESIDENCE: (CITY and STATE or COUNTRY): Boston, Massachusetts

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)

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

☒ Electronic Payment via Patent Center or 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. 07-1700

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

☐ Applicant certifying micro entity status. See 37 CFR 1.29. 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.

☐ 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 as a notification of loss of entitlement to micro entity status.

☒ Applicant changing to regular undiscounted fee status. NOTE: Checking this box will be taken as 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 /Hunter Malboeuf/ Date August 22, 2023

Typed or printed name Hunter Malboeuf Registration No. 79,730

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ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/069,151	**08/22/2023 12:43:04 PM ET**	**BST-004C2**

Title of Invention

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	3411	FILED BY	Anna Beaulieu
PATENT CENTER #	62654358	AUTHORIZED BY	Hunter Malboeuf
CUSTOMER #	51414	FILING DATE	10/13/2020
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Stephen Wayne Boyer

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 1146	**E20238LC44259037**	**Anna Beaulieu**

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
1501	UTILITY ISSUE FEE	1200.00	1	1200.00
			TOTAL AMOUNT:	**$1,200.00**

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

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NOTICE OF ALLOWANCE AND FEE(S) DUE

51414 7590 05/23/2023

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

EXAMINER
KANAAN, SIMON P

ART UNIT	PAPER NUMBER
2492	

DATE MAILED: 05/23/2023

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

TITLE OF INVENTION: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0.00	$0.00	$480	08/23/2023

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 40% the amount of undiscounted fees, and micro entity fees are 20% the amount of undiscounted 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. 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

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

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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.
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

TITLE OF INVENTION: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

APPLN. TYPE	ENTITY STATUS	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	SMALL	$480	$0.00	$0.00	$480	08/23/2023

EXAMINER	ART UNIT	CLASS-SUBCLASS
KANAAN, SIMON P	2492	726-025000

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/AIA/122 or PTO/SB/122) attached.

❑ "Fee Address" indication (or "Fee Address" Indication form PTO/AIA/47 or PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list
(1) The names of up to 3 registered patent attorneys or agents OR, alternatively,
(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)

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

❑ Electronic Payment via Patent Center or 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

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.

❑ 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.

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. _____

Black Kite Ex. 1002, Page 28 of 651

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UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

51414 7590 05/23/2023

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

EXAMINER	
KANAAN, SIMON P	
ART UNIT	**PAPER NUMBER**
2492	

DATE MAILED: 05/23/2023

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. 17/069,151	Applicant(s) Boyer et al.	
	Examiner SIMON P KANAAN	Art Unit 2492	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 1/30/2023.
   ☐ 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 121-136 . 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)
2. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 1/30/2023.
3. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material _____.
4. ☐ Interview Summary (PTO-413), Paper No./Mail Date. _____.
5. ☑ Examiner's Amendment/Comment
6. ☑ Examiner's Statement of Reasons for Allowance
7. ☐ Other _____.

/SIMON P KANAAN/
Primary Examiner, Art Unit 2492

Examiner's Comments

1. Instant office action is in response to communication filed 1/30/2023.

2. Applicants Amendments/Arguments towards previously filed 35 U.S.C. 102/double patenting has been considered and is persuasive therefore the previously filed 35 U.S.C. 102/double patenting has been withdrawn.

3. Acknowledgment to the amended claims has been noted. The amendment has been entered and reviewed. No new matter has been introduced. Claims 121-136 are allowed

REASONS FOR ALLOWANCE

4. The following is an examiner's statement of reasons for allowance: The primary reasons for allowance of the claims are applicant's arguments and the inclusion of the limitation, inter alia, "... determining an internal security rating comprising: obtaining data indicative of internal security from a plurality of internal data sources; extracting a plurality of internal security features from the obtained data; applying a respective transformation function to each of the plurality of internal security features to determine a first plurality of transformed features; and combining the first plurality of transformed features to form the internal security rating; determining an external security rating comprising: obtaining data indicative of external security from a plurality of external data sources; extracting a plurality of external security features from the obtained data; applying a respective transformation function to each of the plurality of external security features to determine a second plurality of transformed features; and combining the second plurality of transformed features to form the external security rating; and providing, via a reporting facility, a composite security rating for the entity based on the internal security rating and the external security rating, wherein at least one of the internal security features or the external security features indicates malicious activity associated with an IP address of the

entity." that is in all claims which is not found in the prior art references previously relied upon or any new references found.

The closest art of record Chris Newton (US Pre-Grant Publication No: 2004/0250122 A1) teaches "A network security system takes an active approach to network security. This is accomplished by providing intelligence about other networks. A master network intelligence database is established that uses a plurality of network information agents for gathering information about networks and providing the information to the master network intelligence database. A customer network security system is then able to secure the customer network in dependence upon information received from the master network intelligence. Security information includes at least one of hostility level on the Internet, collected from numerous sites; security event history; spam levels; hosted services; public wireless; organization type; organization associations; peer ISPs; bandwidth connection to the Internet; active security measures; number of users on the network; age of the network; inappropriate content served; industry; geographic placement; open proxy servers; and contact information." but does not teach the indicated subject matter above.

Another art of record Shull et al. (US Pre-Grant Publication No: 2006/0212925 A1) teaches "Embodiments of the present invention provide methods, systems, and software for implementing trust policies. Such policies may be implemented in a variety of ways, including at one or more border devices, client computers, etc. In accordance with various embodiments, a communication between a client computer (and/or application) and an online entity may be monitored and/or otherwise detected. The online entity may be identified, and/or one or more trust scores associated with the online entity may be obtained. Based on the trust scores, as well, perhaps as the nature of the communication, an action (such as allowing the communication, blocking the communication, quarantining the communication, warning a user, administrator, etc.) may be taken. In some cases, a trust policy may be

consulted to determine what action should be taken with respect to a given communication." but also does not teach the indicated subject matter above.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance." In event of any post-allowance papers (e.g. IDS, 312 amendment, petition, etc.), Applicant is exhorted to mail papers to the Production Control branch in Publications or faxed to post-allowance papers correspondence branch at (703) 308-5864 to expedite issuing process or call PUB's Customer Service if any questions at (703) 305-8497.

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to SIMON P KANAAN whose telephone number is (571)270-3906. The examiner can normally be reached on M-F (7AM-4PM).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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 Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SIMON P KANAAN/
Primary Examiner, Art Unit 2492

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	**Art Unit**
	SIMON P KANAAN	2492

CPC							
Symbol						**Type**	**Version**
H04L	/	63	/	1433		F	2013-01-01
G06Q	/	10	/	0639		I	2013-01-01
H04L	/	61	/	5007		I	2022-05-01
H04L	/	67	/	53		I	2022-05-01
H04L	/	43	/	062		I	2013-01-01
H04L	/	43	/	0876		I	2013-01-01
H04L	/	63	/	145		A	2013-01-01

CPC Combination Sets								
Symbol						**Type**	**Set**	**Ranking**	**Version**
	/		/						

NONE		Total Claims Allowed:	
(Assistant Examiner)	(Date)	16	
/SIMON P KANAAN/ Primary Examiner, Art Unit 2492	06 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	121	1

U.S. Patent and Trademark Office — Part of Paper No.: 20230506

Black Kite Ex. 1002, Page 36 of 651

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	**Art Unit**
	SIMON P KANAAN	2492

INTERNATIONAL CLASSIFICATION					
CLAIMED					
H04L	/	9	/	40	

NON-CLAIMED					
	/		/		

US ORIGINAL CLASSIFICATION	
CLASS	**SUBCLASS**

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

NONE		**Total Claims Allowed:**	
(Assistant Examiner)	(Date)	16	
/SIMON P KANAAN/ Primary Examiner, Art Unit 2492	06 May 2023	O.G. Print Claim(s)	O.G. Print Figure
(Primary Examiner)	(Date)	121	1

U.S. Patent and Trademark Office

Part of Paper No.: 20230506

Black Kite Ex. 1002, Page 37 of 651

Issue Classification	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	**Art Unit**
	SIMON P KANAAN	2492

☑ 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
	1		18		35		52		69		86		103		120
	2		19		36		53		70		87		104		121
	3		20		37		54		71		88		105		122
	4		21		38		55		72		89		106		123
	5		22		39		56		73		90		107		124
	6		23		40		57		74		91		108		125
	7		24		41		58		75		92		109		126
	8		25		42		59		76		93		110		127
	9		26		43		60		77		94		111		128
	10		27		44		61		78		95		112		129
	11		28		45		62		79		96		113		130
	12		29		46		63		80		97		114		131
	13		30		47		64		81		98		115		132
	14		31		48		65		82		99		116		133
	15		32		49		66		83		100		117		134
	16		33		50		67		84		101		118		135
	17		34		51		68		85		102		119		136

NONE (Assistant Examiner)	(Date)	**Total Claims Allowed:** 16	
/SIMON P KANAAN/ Primary Examiner, Art Unit 2492 (Primary Examiner)	06 May 2023 (Date)	O.G. Print Claim(s) 121	O.G. Print Figure 1

U.S. Patent and Trademark Office

Part of Paper No.: 20230506

Black Kite Ex. 1002, Page 38 of 651

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	Art Unit
	SIMON P KANAAN	2492

CPC - Searched*		
Symbol	Date	Examiner
H04L63/1433 + text	05/06/2023	SK

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
Inventor and Assignee Search + text (SEARCH)	05/06/2023	SK
CPC + text (SEARCH: (H04L63/1433 or G06Q10/0639 or H04L43/062 or H04L43/0876 or H04L61/5007 or H04L67/53 or H04L63/145). cpc.)	05/06/2023	SK
NPL Search + text (Google patents and scholar)	05/06/2023	SK
Interference Search + text SEARCH)	05/06/2023	SK

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
H04L63	1433 + text	05/06/2023	SK

/SIMON P KANAAN/ Primary Examiner, Art Unit 2492	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	SIMON P KANAAN	2492

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS

☑ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47

CLAIM		DATE								
Final	Original	10/28/2022	05/06/2023							
	1	✓	-							
	2	-	-							
	3	-	-							
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
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	Examiner	**Art Unit**
	SIMON P KANAAN	2492

CLAIM		DATE								
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	**Art Unit**
	SIMON P KANAAN	2492

CLAIM		DATE								
Final	Original	10/28/2022	05/06/2023							
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Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Boyer et al.

Application No.: 17/069,151 Confirmation No.: 3411

Filed: October 13, 2020 Art Unit: 2492

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM Examiner: S. P. Kanaan

Submitted via Patent Center

INFORMATION DISCLOSURE STATEMENT (IDS)

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the filing date of this application, OR more than three months after the date of entry of the national stage in the international application, AND after the mailing date of a first Office Action on the merits, but before the mailing date of any of a Final Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311 or an action that otherwise closes prosecution in this application (37 C.F.R. § 1.97(c)).

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted. Submitted herewith are copies of non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.P.K/

construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Applicant hereby apprises the Examiner of the following patent applications, including the contents of the file wrappers, the claims, any Office Actions issued therein, and any Notices of Allowance issued therefor:

Docket No.	**U.S. Serial No.:**	**Title**	**Filing Date**
BST-001	15/271,655 Published as: US 2018/0083999	SELF-PUBLISHED SECURITY RISK MANAGEMENT	September 21, 2016
BST-002	15/377,574 9,705,932	METHODS AND SYSTEMS FOR CREATING, DE-DUPLICATING, AND ACCESSING DATA USING AN OBJECT STORAGE SYSTEM	December 13, 2016
BST-003	14/021,585 9,438,615 Published as: US 2015/0074579	SECURITY RISK MANAGEMENT	September 9, 2013
BST-003C1	15/216,955 Published as: US 2016/0330231	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	July 22, 2016
BST-003C2	15/239,063 Published as: US 2017/0093901	SECURITY RISK MANAGEMENT	August 17, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-003C3	16/405,121 Published as: US 2019/0260791	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	May 7, 2019
BST-003C4	17/025,930 Published as US2021/0006581	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	September 18, 2020
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BST-009DB	29/598,299 D818,475	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DC	29/599,622 D847169	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
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BST-010	16/015,686 10,425,380	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	June 22, 2018
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BST-013	15/954,921 10,812,520	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	April 17, 2018
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BST-014	16/549,764 Published as: US2021/0058421	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	August 23, 2019

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BST-014C1	16/787650 10,749,893	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	February 11, 2020
BST-015	16/583,991 10,848,382	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	September 26, 2019
BST-015C1	17/085,550 11,329,878 Published as: US2021/0099347	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	October 30, 2020
BST-016D	29/666,942 D892,135	COMPUTER DISPLAY WITH GRAPHICAL USER INTERFACE	October 17, 2018
BST-017	16/360,641 11,200,323	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	March 21, 2019
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BST-019D	29/677306 D905702	COMPUTER DISPLAY SCREEN WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE	January 18, 2019
BST-020	16/775,840 10,791,140	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	January 29, 2020
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Docket No.	U.S. Serial No.:	Title	Filing Date
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BST-023	16/802,232 10,764,298	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	February 26, 2020
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BST-026	16/884,607 11,023,585	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	May 27, 2020
BST-026C1	17/236,594 Published as US 2021/0374246	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	April 21, 2021
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Docket No.	U.S. Serial No.:	Title	Filing Date
BST-030	17/945,337	SYSTEMS AND METHODS FOR PRECOMPUTATION OF DIGITAL ASSET INVENTORIES	September 15, 2022
BST-032	17/856,217	SYSTEMS AND METHODS FOR ACCELERATING CYBERSECURITY ASSESSMENTS	July 1, 2022

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of $104.00 covering the fee set forth in 37 C.F.R. § 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 07-1700, under Order No. BST-004C2.

Dated: January 30, 2023

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Signature	/SIMON P KANAAN/	Date Considered	05/06/2023

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First Named Inventor	Stephen Boyer
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Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

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First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

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Sheet 5 of 6

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Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] *(if known)*	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]

Examiner Signature	/SIMON P KANAAN/	Date Considered	05/18/2023

*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.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.P.K./

PTO/SB/08b (07-09)
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	6	of	6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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.	T[2]
	C1	Search Query Report from IP.com (performed 7/29/2022).	

Examiner Signature	/SIMON P KANAAN/	Date Considered	05/18/2023

*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] Applicant is to place a check mark here if English language Translation is attached.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.P.K./

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/14 06:15 PM
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L3	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:41 AM
L4	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L5	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L6	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L7	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
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L9	24	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:22 PM
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L16	9	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:27 PM
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L22	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:46 PM
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L43	230	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:21 PM
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L51	27	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 07:02 PM
L52	17	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 08:17 PM
L53	29	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 08:18 PM

L54	1167	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 09:02 PM
L55	438	L54 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 09:02 PM
L56	166	L55 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 09:02 PM
L57	146	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 09:56 AM
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L59	12	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 09:57 AM
L61	8	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:21 PM
L62	2	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:25 PM
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L74	15274	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:34 AM
L75	86	L73 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:34 AM

L76	509	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:41 AM
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L93	9	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
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L101	46	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
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		OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
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		assessment) with public					03:15 PM
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L132	185	L131 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L133	166	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
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L141	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L142	6	L141 not L140	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L143	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L145	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L146	3577	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L147	823	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L148	15274	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L149	86	L147 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L150	509	(organization or	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04

		company) same reputation same (score or rating)					03:16 PM
L151	36	L150 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L154	1	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:12 AM
L155	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:13 AM
L156	24	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:13 AM
L157	19	L156 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:16 AM
L158	58	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:17 AM
L159	27724	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:17 AM

		G06F21/00).CPC.)					
L160	390	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:18 AM
L161	87	L160 and L159	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:18 AM
L162	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/18 09:38 AM
L163	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2015/02/18 09:54 AM
L166	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L167	8	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L168	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L169	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L170	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L171	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L172	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L173	32	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L174	29	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L175	38	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L176	3	726/1,2,22,25.ccls. and	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19

		(external$5 or third party) and (security) and (commercial near data) and reputation					10:45 PM
L177	115	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L178	8	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:19 PM
L179	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:19 PM
L180	21	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/02/22 11:20 PM
L181	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L180	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM
L182	237	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM
L183	67	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM

		G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L184	115	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM
L186	72	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L187	117	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L188	0	L186 and L187	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L189	241	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L190	0	L186 and L188	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L191	0	L186 and L189	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L192	33676	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L193	8	L187 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28

							11:55 PM
L194	53	L189 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L195	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L196	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L197	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L198	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L199	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L200	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L201	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L202	37	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L203	31	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L204	41	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L205	3	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L206	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L207	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L208	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L209	25	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L210	10	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L211	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L212	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L213	0	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L214	0	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L215	143	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L216	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L217	5473	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L218	66	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L219	124	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L220	58	L219 not L218	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L221	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L222	0	L219 and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L223	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L224	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L225	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L226	0	L221 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L227	0	L221 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L228	0	L221 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L229	0	L221 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L230	0	L221 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L231	7	L221 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L232	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L233	24	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25

		party) with audit$4)and reputation and (proprietary information)					01:43 AM
L234	226	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L235	420	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L236	400	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L237	258	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L238	0	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L239	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L240	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L241	4	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L242	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L243	44	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L244	21	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L245	37	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L246	1415	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L247	525	L246 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L248	202	L247 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L249	209	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L250	195	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L251	15	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L252	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L253	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L254	472	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L255	260	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L256	9	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L257	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L258	6	L257 not L256	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L259	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L260	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L261	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L262	4410	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L263	1061	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L264	19092	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L265	120	L263 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L266	640	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		or rating)					
L267	55	L266 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L268	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L269	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L270	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L271	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L272	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L273	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L274	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L275	37	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L276	31	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L277	41	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L278	3	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L279	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L280	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L281	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L282	25	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L283	10	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L284	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L285	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L286	0	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L287	0	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L288	143	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L289	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L290	5473	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L291	66	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L292	124	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L293	58	L292 not L291	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L294	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L295	0	L292 and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L296	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L297	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L298	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L299	0	L294 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L300	0	L294 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L301	0	L294 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L302	0	L294 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L303	0	L294 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L304	7	L294 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L305	31	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L306	2	726/1,2,22,25.ccls. and ((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		party) with audit$4)and reputation and (proprietary information)					
L307	24	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L308	226	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L309	420	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L310	400	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L311	258	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L312	0	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L313	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L314	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L315	4	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L316	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L317	44	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L318	21	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L319	37	(network near3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25

		assessment) with external$3					01:43 AM
L320	1415	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L321	525	L320 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L322	202	L321 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L323	209	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L324	195	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L325	15	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L326	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L327	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L328	472	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L329	260	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L330	9	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L331	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L332	6	L331 not L330	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L333	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L334	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L335	4410	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L336	1061	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L337	19092	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L338	120	L336 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L339	640	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		or rating)					
L340	55	L339 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L341	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L342	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L343	31	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L344	23	L343 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L345	84	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L346	36016	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L347	484	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L348	129	L347 and L346	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L349	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L350	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2015/09/25 01:43 AM
L351	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L352	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L353	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L354	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L355	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L356	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L357	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L358	37	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L359	31	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L360	41	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L361	3	726/1,2,22,25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		party) and (security) and (commercial near data) and reputation					
L362	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L363	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L364	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L365	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L366	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L365	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L367	260	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L368	84	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L369	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L370	84	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L371	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L372	0	L370 and L371	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L373	258	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L374	0	L370 and L372	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L375	0	L370 and L373	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L376	36016	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L377	8	L371 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L378	59	L373 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L386	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:27 AM
L387	0	L386 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:27 AM
L388	3538	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:28 AM
L389	12	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:28 AM
L390	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L391	72	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L392	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L393	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L394	260	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:36 AM
L395	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:36 AM
L396	0	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:36 AM
L397	92	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:37 AM

		(external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L398	0	((orginazation or company or bank$3) near3 resilien$3) and L397	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:37 AM
L399	432	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:38 AM
L400	0	((orginazation or company or bank$3) near3 resilien$3) and L399	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:38 AM
L401	19584	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:39 AM
L402	0	((orginazation or company or bank$3) near3 resilien$3) and L401	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:39 AM
L403	4	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:39 AM
L405	0	"15089375"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L406	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L407	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L408	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L409	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L410	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L411	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L412	7	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		detection with compliance with assessment					
L413	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L414	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L415	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L416	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L417	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L418	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L419	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L420	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L421	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L422	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L423	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L424	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L425	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L426	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L427	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L428	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:54 AM
L429	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L430	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L431	69	L430 not L429	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L432	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L433	0	L430 and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L434	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L435	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L436	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432					10:54 AM
L437	0	L432 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L438	0	L432 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L439	0	L432 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L440	0	L432 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L441	0	L432 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L442	7	L432 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L443	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L444	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L445	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L446	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L447	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L448	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L449	1	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		sources					
L450	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L451	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L452	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L453	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L454	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L455	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L456	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L457	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L458	551	L457 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L459	206	L458 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L460	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L461	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L462	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L463	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L464	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L465	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L466	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L467	10	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L468	19	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		public with secur$5					
L469	9	L468 not L467	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L470	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L471	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L472	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L473	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L474	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L475	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L476	128	L474 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L477	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L478	61	L477 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L479	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L480	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L481	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L482	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L483	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L484	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L485	7	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		vulnerability with detection with compliance with assessment					10:54 AM
L486	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L487	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L488	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L489	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L490	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L491	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L492	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L493	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L494	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L495	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L496	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L497	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L498	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L499	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L500	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L501	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:54 AM
L502	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L503	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L504	69	L503 not L502	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L505	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L506	0	L503 and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L507	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L508	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L509	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505					10:54 AM
L510	0	L505 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L511	0	L505 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L512	0	L505 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L513	0	L505 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L514	0	L505 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L515	7	L505 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L516	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L517	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L518	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L519	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L520	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L521	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L522	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L523	1	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources					10:54 AM
L524	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L525	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L526	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L527	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L528	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L529	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L530	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L531	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L532	551	L531 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L533	206	L532 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L534	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L535	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L536	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L537	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L538	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L539	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L540	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L541	10	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L542	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L543	9	L542 not L541	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L544	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L545	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L546	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L547	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L548	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L549	128	L547 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L550	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L551	61	L550 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L552	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L553	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L554	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L555	25	L554 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L556	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L557	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L558	542	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L559	154	L558 and L557	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L560	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L561	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:54 AM
L562	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L563	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L564	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L565	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L566	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L567	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L568	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L569	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L570	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L571	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L572	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L573	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L574	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L575	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L576	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM

		20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L577	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L576	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L578	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L579	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L580	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L581	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L582	127	(external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		data) and reputation					
L583	1	L581 and L582	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L584	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L585	1	L581 and L583	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L586	5	L581 and L584	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L587	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L588	12	L582 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L589	73	L584 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L590	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L591	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L592	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L593	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L594	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L595	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L596	7	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		detection with compliance with assessment					
L597	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L598	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L599	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L600	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L601	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L602	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L603	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L604	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L605	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L606	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L607	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L608	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L609	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L610	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L611	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L612	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L613	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L614	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L615	69	L614 not L613	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L616	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L617	0	L614 and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L618	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L619	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L620	0	(industry reports or internet monitoring or	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616					
L621	0	L616 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L622	0	L616 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L623	0	L616 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L624	0	L616 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L625	0	L616 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L626	7	L616 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L627	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L628	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L629	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L630	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L631	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L632	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L633	1	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L634	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L635	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L636	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L637	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L638	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L639	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L640	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L641	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L642	551	L641 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L643	206	L642 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L644	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L645	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L646	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L647	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L648	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L649	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L650	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L651	10	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L652	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L653	9	L652 not L651	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L654	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L655	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L656	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L657	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L658	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L659	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L660	128	L658 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L661	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L662	61	L661 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L663	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L664	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L665	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L666	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L667	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L668	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L669	7	network with vulnerability with detection with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		compliance with assessment					
L670	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L671	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L672	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L673	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L674	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L675	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L676	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L677	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L678	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L679	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L680	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L681	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L682	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L683	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L684	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L685	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L686	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L687	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L688	69	L687 not L686	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L689	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L690	0	L687 and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L691	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L692	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L693	0	(industry reports or internet monitoring or news article or court	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		record) and (renesys or propriety data or arbor networks or user behavior) and L689					
L694	0	L689 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L695	0	L689 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L696	0	L689 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L697	0	L689 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L698	0	L689 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L699	7	L689 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L700	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L701	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L702	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L703	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L704	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L705	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L706	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L707	1	((external$5 or third party) with (audit$4 or observ$5)) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		reputation and security and rat$3 and commercial data sources					
L708	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L709	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L710	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L711	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L712	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L713	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L714	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L715	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L716	551	L715 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L717	206	L716 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L718	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L719	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L720	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L721	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L722	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L723	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L724	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L725	10	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		public with security					
L726	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L727	9	L726 not L725	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L728	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L729	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L730	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L731	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L732	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L733	128	L731 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L734	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L735	61	L734 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L736	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L737	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L738	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L739	25	L738 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L740	104	((H04L63/20 OR H04L63/145 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM

		H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L741	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L742	542	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L743	154	L742 and L741	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L744	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L745	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L746	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L747	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L748	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L749	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L750	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L751	0	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM

		detection with compliance with assesment					
L752	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L753	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L754	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L755	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L756	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L757	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L758	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L759	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L760	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:55 AM

		OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L761	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L760	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L762	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L763	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L764	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L765	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L766	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L767	1	L765 and L766	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:55 AM
L768	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L769	1	L765 and L767	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L770	5	L765 and L768	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L771	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L772	12	L766 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L773	73	L768 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L774	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L775	0	L774 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L776	3720	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L777	12	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L778	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L779	75	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L780	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L781	1	((orginazation or	(US-PGPUB; USPAT;	ADJ	ON	ON	2016/08/08

		company or bank$3) near3 resilien$3) with report$3	USOCR)				10:55 AM
L782	265	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L783	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L784	0	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L785	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L786	0	((orginazation or company or bank$3) near3 resilien$3) and L785	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L787	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L788	0	((orginazation or company or bank$3) near3 resilien$3) and L787	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L789	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L790	0	((orginazation or company or bank$3) near3 resilien$3) and L789	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L791	4	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L792	135	graph with node with	(US-PGPUB; USPAT;	ADJ	ON	ON	2016/08/08

		business with relationship	USOCR)				11:25 AM
L793	0	L792 and L763	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 11:25 AM
L794	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 11:26 AM
L795	21	L792 and L794	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 11:26 AM
L811	12	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/09/05 10:34 PM
L812	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/09/05 10:52 PM
L813	3	L811 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/09/05 10:53 PM
L815	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:13 AM
L816	12	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L817	3	L816 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM

		705/7.39).CCLS.)					
L818	125	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L819	133	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L820	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L821	24	(resilien$3) with (malicious or vulnerability) with (duration or time)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:41 AM
L822	160	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:50 AM
L823	82	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:50 AM
L825	692	resilien$3 with duration	(US-PGPUB; USPAT)	ADJ	ON	ON	2018/03/20 11:31 AM
L826	4	resilien$3 with duration with (vulnerability or down)	(US-PGPUB; USPAT)	ADJ	ON	ON	2018/03/20 11:31 AM
L827	93	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:13 AM
L828	46	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:20 AM

L829	168930	(H04L63/1433 OR G06Q10/0639 OR H04L43/062 OR H04L43/0876 OR H04L61/5007 OR H04L67/53 OR H04L63/145).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/28 12:41 AM
L830	2	"17069151"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/28 12:44 AM
L831	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L832	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L833	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L834	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L835	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L836	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L837	21	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		vulnerability with detection with compliance with assessment					01:10 AM
L838	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L839	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L840	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L841	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L842	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L843	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L844	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L845	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L846	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L847	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L848	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L849	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L850	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L851	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L852	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L853	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L854	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L855	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L856	127	L25 not L24	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L857	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L858	0	L25 and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L859	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L860	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L861	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27					01:10 AM
L862	0	L27 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L863	0	L27 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L864	0	L27 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L865	0	L27 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L866	0	L27 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L867	7	L27 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L868	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L869	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L870	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L871	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L872	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L873	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L874	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		sources					
L875	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L876	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L877	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L878	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L879	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L880	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L881	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L882	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L883	689	L54 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L884	270	L55 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L885	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L886	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L887	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L888	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L889	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L890	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L891	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L892	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L893	57	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		public with secur$5					
L894	22	L66 not L65	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L895	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L896	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L897	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L898	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L899	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L900	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L901	129	L73 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L902	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L903	62	L76 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L904	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L905	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L906	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L907	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L908	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L909	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L910	21	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		vulnerability with detection with compliance with assessment					01:10 AM
L911	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L912	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L913	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L914	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L915	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L916	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L917	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L918	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L919	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L920	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L921	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L922	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L923	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L924	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L925	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L926	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L927	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L928	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L929	127	L102 not L101	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L930	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L931	0	L102 and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L932	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L933	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L934	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104					01:10 AM
L935	0	L104 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L936	0	L104 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L937	0	L104 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L938	0	L104 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L939	0	L104 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L940	7	L104 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L941	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L942	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L943	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L944	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L945	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L946	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L947	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L948	5	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources					01:10 AM
L949	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L950	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L951	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L952	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L953	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L954	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L955	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L956	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L957	689	L130 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L958	270	L131 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L959	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L960	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L961	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L962	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L963	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L964	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L965	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L966	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L967	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L968	22	L141 not L140	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L969	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L970	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L971	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L972	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L973	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L974	129	L147 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L975	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L976	62	L150 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L977	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L978	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L979	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L980	24	L156 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L981	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L982	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L983	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L984	238	L160 and L159	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L985	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L986	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L987	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L988	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L989	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L990	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L991	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L992	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L993	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L994	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L995	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L996	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L997	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L998	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L999	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1000	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1001	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1002	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L180	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1003	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1004	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1005	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1006	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1007	241	(external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		data) and reputation					
L1008	5	L186 and L187	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1009	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1010	5	L186 and L188	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1011	17	L186 and L189	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1012	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1013	56	L187 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1014	273	L189 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1015	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1016	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1017	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1018	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1019	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1020	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1021	21	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		detection with compliance with assessment					
L1022	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1023	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1024	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1025	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1026	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1027	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1028	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1029	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1030	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1031	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1032	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1033	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1034	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1035	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1036	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1037	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1038	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1039	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1040	127	L219 not L218	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1041	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1042	0	L219 and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1043	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1044	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1045	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221					01:10 AM
L1046	0	L221 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1047	0	L221 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1048	0	L221 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1049	0	L221 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1050	0	L221 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1051	7	L221 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1052	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1053	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1054	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1055	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1056	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1057	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1058	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		sources					
L1059	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1060	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1061	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1062	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1063	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1064	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1065	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1066	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1067	689	L246 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1068	270	L247 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1069	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1070	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1071	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1072	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1073	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1074	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1075	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1076	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1077	57	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		public with secur$5					
L1078	22	L257 not L256	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1079	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1080	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1081	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1082	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1083	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1084	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1085	129	L263 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1086	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1087	62	L266 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1088	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1089	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1090	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1091	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1092	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1093	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1094	21	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		vulnerability with detection with compliance with assessment					01:10 AM
L1095	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1096	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1097	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1098	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1099	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1100	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1101	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1102	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1103	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1104	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1105	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1106	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1107	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1108	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1109	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1110	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1111	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1112	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1113	127	L292 not L291	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1114	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1115	0	L292 and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1116	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1117	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1118	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294					01:10 AM
L1119	0	L294 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1120	0	L294 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1121	0	L294 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1122	0	L294 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1123	0	L294 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1124	7	L294 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1125	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1126	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1127	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1128	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1129	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1130	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1131	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1132	5	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources					01:10 AM
L1133	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1134	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1135	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1136	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1137	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1138	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1139	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1140	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1141	689	L320 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1142	270	L321 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1143	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1144	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1145	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1146	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1147	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1148	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1149	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1150	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1151	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1152	22	L331 not L330	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1153	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1154	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1155	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1156	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1157	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1158	129	L336 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1159	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1160	62	L339 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1161	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1162	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1163	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1164	24	L343 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1165	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1166	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1167	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1168	238	L347 and L346	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1169	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1170	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1171	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1172	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1173	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1174	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1175	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1176	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1177	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1178	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1179	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1180	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1181	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1182	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1183	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1184	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1185	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1186	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L365	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1187	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1188	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1189	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1190	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1191	241	(external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		data) and reputation					
L1192	5	L370 and L371	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1193	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1194	5	L370 and L372	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1195	17	L370 and L373	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1196	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1197	56	L371 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1198	273	L373 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1199	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1200	0	L386 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1201	6800	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1202	32	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1203	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1204	80	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1205	1	((orginazation or company) near3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM

		resilien$3) with report$3					
L1206	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1207	281	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1208	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1209	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1210	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1211	0	((orginazation or company or bank$3) near3 resilien$3) and L397	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1212	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1213	1	((orginazation or company or bank$3) near3 resilien$3) and L399	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1214	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1215	0	((orginazation or company or bank$3) near3 resilien$3) and L401	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1216	7	((orginazation or company or bank$3) near3 resilien$3) and	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM

		reputation					
L1217	2	"15089375"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1218	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1219	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1220	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1221	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1222	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1223	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1224	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1225	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1226	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1227	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1228	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1229	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1230	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1231	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1232	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1233	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1234	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1235	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1236	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1237	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1238	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1239	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1240	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1241	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1242	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1243	127	L430 not L429	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1244	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1245	0	L430 and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1246	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1247	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1248	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1249	0	L432 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1250	0	L432 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1251	0	L432 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1252	0	L432 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1253	0	L432 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1254	7	L432 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1255	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1256	59	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with audit$4)and reputation and (proprietary information)					01:10 AM
L1257	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1258	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1259	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1260	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1261	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1262	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1263	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1264	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1265	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1266	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1267	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1268	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1269	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1270	689	L457 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1271	270	L458 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1272	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1273	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1274	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1275	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1276	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1277	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1278	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1279	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1280	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1281	22	L468 not L467	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1282	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1283	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1284	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1285	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1286	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1287	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1288	129	L474 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1289	1406	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		or rating)					
L1290	62	L477 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1291	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1292	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1293	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1294	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1295	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1296	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1297	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1298	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1299	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1300	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1301	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1302	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1303	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1304	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1305	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1306	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1307	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1308	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1309	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1310	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1311	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1312	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1313	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1314	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1315	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1316	127	L503 not L502	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1317	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1318	0	L503 and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1319	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1320	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1321	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1322	0	L505 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1323	0	L505 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1324	0	L505 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1325	0	L505 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1326	0	L505 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1327	7	L505 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1328	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1329	2	726/1,2,22,25.ccls. and ((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		party) with audit$4)and reputation and (proprietary information)					
L1330	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1331	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1332	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1333	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1334	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1335	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1336	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1337	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1338	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1339	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1340	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1341	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1342	129	(network near3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		assessment) with external$3					01:10 AM
L1343	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1344	689	L531 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1345	270	L532 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1346	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1347	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1348	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1349	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1350	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1351	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1352	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1353	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1354	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1355	22	L542 not L541	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1356	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1357	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1358	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1359	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1360	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1361	129	L547 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1362	1406	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		or rating)					
L1363	62	L550 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1364	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1365	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1366	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1367	24	L554 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1368	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1369	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1370	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1371	238	L558 and L557	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1372	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1373	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1374	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1375	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1376	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1377	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1378	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1379	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1380	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1381	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1382	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1383	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1384	6	726/1,2,22,25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		party) and (security) and (commercial near data) and reputation					
L1385	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1386	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1387	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1388	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1389	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L576	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1390	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1391	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L1392	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1393	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1394	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1395	5	L581 and L582	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1396	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1397	5	L581 and L583	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1398	17	L581 and L584	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1399	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1400	56	L582 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1401	273	L584 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1402	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1403	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1404	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1405	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1406	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1407	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1408	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1409	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1410	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1411	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1412	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1413	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1414	0	(external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (security) with (commercial near data) with reputation					01:10 AM
L1415	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1416	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1417	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1418	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1419	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1420	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1421	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1422	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1423	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1424	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1425	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1426	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1427	127	L614 not L613	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1428	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1429	0	L614 and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1430	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1431	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1432	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1433	0	L616 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1434	0	L616 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1435	0	L616 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1436	0	L616 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1437	0	L616 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1438	7	L616 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1439	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1440	59	((external$5 or third party) with audit$4)and	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		reputation and (proprietary information)					
L1441	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1442	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1443	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1444	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1445	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1446	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1447	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1448	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1449	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1450	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1451	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1452	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1453	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1454	689	L641 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1455	270	L642 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1456	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1457	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1458	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1459	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1460	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1461	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1462	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1463	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1464	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1465	22	L652 not L651	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1466	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1467	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1468	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1469	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1470	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1471	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1472	129	L658 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1473	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1474	62	L661 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1475	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1476	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1477	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1478	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1479	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1480	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1481	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1482	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1483	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1484	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1485	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1486	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1487	0	(external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (security) with (commercial near data) with reputation					01:10 AM
L1488	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1489	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1490	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1491	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1492	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1493	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1494	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1495	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1496	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1497	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1498	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1499	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1500	127	L687 not L686	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1501	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1502	0	L687 and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1503	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1504	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1505	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1506	0	L689 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1507	0	L689 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1508	0	L689 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1509	0	L689 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1510	0	L689 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1511	7	L689 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1512	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1513	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		reputation and (proprietary information)					
L1514	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1515	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1516	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1517	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1518	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1519	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1520	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1521	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1522	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1523	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1524	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1525	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1526	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1527	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1528	689	L715 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1529	270	L716 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1530	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1531	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1532	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1533	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1534	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1535	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1536	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1537	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1538	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1539	22	L726 not L725	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1540	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1541	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1542	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1543	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1544	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1545	129	L731 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1546	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1547	62	L734 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1548	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1549	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1550	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1551	24	L738 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1552	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1553	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1554	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1555	238	L742 and L741	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1556	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1557	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1558	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1559	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1560	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1561	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1562	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1563	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1564	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1565	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1566	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1567	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1568	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1569	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1570	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1571	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1572	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1573	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L760	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1574	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1575	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		and (WGET or RSYNC or CURL)					
L1576	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1577	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1578	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1579	5	L765 and L766	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1580	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1581	5	L765 and L767	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1582	17	L765 and L768	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1583	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1584	56	L766 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1585	273	L768 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1586	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1587	0	L774 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1588	6800	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1589	32	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1590	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1591	80	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1592	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1593	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1594	281	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1595	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1596	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1597	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		and (WGET or RSYNC or CURL)					
L1598	0	((orginazation or company or bank$3) near3 resilien$3) and L785	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1599	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1600	1	((orginazation or company or bank$3) near3 resilien$3) and L787	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1601	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1602	0	((orginazation or company or bank$3) near3 resilien$3) and L789	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1603	7	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1604	327	graph with node with business with relationship	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1605	0	L792 and L763	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1606	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1607	39	L792 and L794	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1608	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1609	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.					
L1610	3	L811 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1611	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1612	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1613	3	L816 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1614	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1615	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1616	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1617	77	(resilien$3) with (malicious or vulnerability) with (duration or time)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1618	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1619	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1620	947	resilien$3 with duration	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1621	7	resilien$3 with duration with (vulnerability or down)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1622	104	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2022/10/28 01:10 AM
L1623	56	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2022/10/28 01:10 AM
L1624	168930	(H04L63/1433 OR G06Q10/0639 OR H04L43/062 OR H04L43/0876 OR H04L61/5007 OR H04L67/53 OR H04L63/145).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/28 01:10 AM
L1625	2	"17069151"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA,	ADJ	ON	ON	2022/10/28 01:10 AM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L1626	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1627	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1628	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1629	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1630	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1631	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1632	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1633	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1634	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1635	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1636	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1637	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1638	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1639	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1640	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1641	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1642	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1643	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1644	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1645	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1646	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1647	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1648	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1649	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1650	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1651	129	L25 not L24	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1652	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1653	0	L25 and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1654	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1655	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1656	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1657	0	L27 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1658	0	L27 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1659	0	L27 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1660	0	L27 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1661	0	L27 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1662	7	L27 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1663	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1664	65	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) with audit$4)and reputation and (proprietary information)					02:48 PM
L1665	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1666	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1667	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1668	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1669	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1670	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1671	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1672	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1673	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1674	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1675	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1676	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1677	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1678	704	L54 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1679	277	L55 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1680	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1681	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1682	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1683	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1684	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1685	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1686	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1687	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1688	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1689	23	L66 not L65	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1690	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1691	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1692	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1693	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1694	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1695	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1696	133	L73 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1697	1468	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		or rating)					
L1698	63	L76 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1699	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1700	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1701	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1702	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1703	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1704	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1705	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1706	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1707	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1708	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1709	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1710	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1711	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1712	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1713	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1714	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1715	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1716	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1717	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1718	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1719	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1720	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1721	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1722	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1723	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1724	129	L102 not L101	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1725	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1726	0	L102 and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1727	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1728	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1729	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1730	0	L104 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1731	0	L104 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1732	0	L104 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1733	0	L104 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1734	0	L104 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1735	7	L104 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1736	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1737	2	726/1,2,22,25.ccls. and ((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		party) with audit$4)and reputation and (proprietary information)					
L1738	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1739	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1740	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1741	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1742	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1743	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1744	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1745	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1746	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1747	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1748	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1749	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1750	137	(network near3 assessment) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		external$3					
L1751	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1752	704	L130 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1753	277	L131 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1754	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1755	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1756	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1757	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1758	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1759	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1760	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1761	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1762	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1763	23	L141 not L140	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1764	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1765	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1766	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1767	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1768	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1769	133	L147 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1770	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1771	63	L150 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1772	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1773	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1774	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1775	25	L156 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1776	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1777	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1778	939	(network or organization or entity) reputation and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		(rat$3 or assess$4)					
L1779	247	L160 and L159	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1780	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1781	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L1782	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1783	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1784	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1785	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1786	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1787	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1788	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1789	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1790	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1791	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1792	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		data) and reputation					
L1793	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1794	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1795	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1796	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1797	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L180	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1798	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1799	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		party) and (security) and (WGET or RSYNC or CURL)					
L1800	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1801	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1802	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1803	5	L186 and L187	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1804	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1805	5	L186 and L188	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1806	17	L186 and L189	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1807	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1808	64	L187 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1809	288	L189 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1810	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1811	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1812	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1813	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1814	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1815	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1816	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1817	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1818	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1819	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1820	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1821	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1822	0	(external$5 or third party) with (security) with (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		data) with reputation					
L1823	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1824	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1825	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1826	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1827	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1828	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1829	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1830	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1831	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1832	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1833	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1834	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1835	129	L219 not L218	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1836	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

		OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1837	0	L219 and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1838	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1839	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1840	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1841	0	L221 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1842	0	L221 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1843	0	L221 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1844	0	L221 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1845	0	L221 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1846	7	L221 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1847	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1848	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1849	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1850	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1851	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1852	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1853	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1854	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1855	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1856	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1857	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1858	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1859	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1860	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1861	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1862	704	L246 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1863	277	L247 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

							02:48 PM
L1864	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1865	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1866	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1867	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1868	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1869	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1870	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1871	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1872	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1873	23	L257 not L256	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1874	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1875	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1876	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1877	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1878	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1879	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1880	133	L263 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1881	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1882	63	L266 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1883	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1884	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1885	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1886	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1887	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1888	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1889	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1890	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1891	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1892	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1893	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1894	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1895	0	(external$5 or third party) with (security) with (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		data) with reputation					
L1896	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1897	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1898	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1899	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1900	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1901	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1902	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1903	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1904	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1905	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1906	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1907	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1908	129	L292 not L291	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1909	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

		OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1910	0	L292 and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1911	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1912	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1913	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1914	0	L294 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1915	0	L294 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1916	0	L294 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1917	0	L294 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1918	0	L294 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1919	7	L294 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1920	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1921	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1922	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1923	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1924	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1925	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1926	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1927	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1928	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1929	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1930	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1931	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1932	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1933	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1934	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1935	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

							02:48 PM
L1936	704	L320 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1937	277	L321 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1938	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1939	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1940	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1941	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1942	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1943	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1944	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1945	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1946	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1947	23	L331 not L330	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1948	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1949	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1950	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1951	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1952	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1953	133	L336 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1954	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1955	63	L339 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L1956	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1957	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1958	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1959	25	L343 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1960	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1961	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1962	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1963	247	L347 and L346	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

							02:48 PM
L1964	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1965	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L1966	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1967	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1968	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1969	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1970	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1971	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1972	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1973	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1974	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1975	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1976	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1977	260	(external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) and (security) and (commercial near data) and reputation					02:48 PM
L1978	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1979	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1980	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1981	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L365	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1982	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1983	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		or CURL)					
L1984	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1985	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1986	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1987	5	L370 and L371	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1988	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1989	5	L370 and L372	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1990	17	L370 and L373	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1991	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1992	64	L371 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1993	288	L373 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L1994	9	(US-20040193918-$ or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.					02:48 PM
L1995	0	L386 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L1996	7160	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L1997	34	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L1998	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L1999	81	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2000	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2001	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2002	286	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2003	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2004	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2005	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		or CURL)					
L2006	0	((orginazation or company or bank$3) near3 resilien$3) and L397	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2007	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2008	1	((orginazation or company or bank$3) near3 resilien$3) and L399	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2009	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2010	0	((orginazation or company or bank$3) near3 resilien$3) and L401	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2011	8	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2012	2	"15089375"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2013	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2014	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2015	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2016	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2017	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2018	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2019	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2020	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2021	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2022	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2023	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2024	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2025	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2026	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2027	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2028	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2029	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2030	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2031	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2032	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2033	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2034	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2035	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2036	244	reputation and domain and (insustry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)					
L2037	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2038	129	L430 not L429	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2039	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2040	0	L430 and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2041	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2042	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2043	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		networks or user behavior) and L432					
L2044	0	L432 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2045	0	L432 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2046	0	L432 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2047	0	L432 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2048	0	L432 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2049	7	L432 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2050	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2051	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2052	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2053	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2054	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2055	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2056	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2057	11	((external$5 or third party) with (audit$4 or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		observ$5)) and reputation and security and rat$3 and commercial data					
L2058	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2059	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2060	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2061	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2062	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2063	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2064	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2065	704	L457 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2066	277	L458 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2067	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2068	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2069	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2070	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2071	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2072	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2073	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2074	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2075	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2076	23	L468 not L467	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2077	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2078	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2079	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2080	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2081	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2082	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2083	133	L474 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2084	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2085	63	L477 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2086	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2087	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2088	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2089	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2090	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2091	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2092	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2093	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2094	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2095	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2096	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2097	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2098	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2099	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2100	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2101	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2102	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2103	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2104	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2105	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2106	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2107	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2108	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2109	244	reputation and domain and (insustry reports or internet monitoring web	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)					
L2110	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2111	129	L503 not L502	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2112	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2113	0	L503 and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2114	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2115	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2116	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		behavior) and L505					
L2117	0	L505 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2118	0	L505 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2119	0	L505 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2120	0	L505 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2121	0	L505 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2122	7	L505 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2123	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2124	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2125	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2126	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2127	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2128	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2129	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2130	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		sources					
L2131	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2132	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2133	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2134	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2135	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2136	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2137	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2138	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2139	704	L531 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2140	277	L532 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2141	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2142	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2143	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2144	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2145	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2146	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2147	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2148	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2149	62	network (reputation or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		assess$4 or rat$3) with public with secur$5					02:48 PM
L2150	23	L542 not L541	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2151	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2152	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2153	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2154	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2155	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2156	133	L547 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2157	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2158	63	L550 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2159	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2160	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2161	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2162	25	L554 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2163	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L2164	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2165	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2166	247	L558 and L557	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2167	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2168	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2169	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2170	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2171	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2172	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2173	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2174	0	network with vulnerability with detection with compliance with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		assesment					
L2175	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2176	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2177	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2178	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2179	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2180	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2181	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2182	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2183	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

		OR US-422009D-$.DID. OR US-1331018-$.DID.					
L2184	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L576	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2185	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2186	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2187	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2188	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2189	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2190	5	L581 and L582	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2191	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2192	5	L581 and L583	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2193	17	L581 and L584	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2194	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2195	64	L582 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2196	288	L584 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2197	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2198	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2199	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2200	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2201	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2202	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2203	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2204	44	726/2,22,25.ccls. and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		(external$5 or third party) and (security) and (WGET or RSYNC or CURL)					02:48 PM
L2205	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2206	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2207	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2208	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2209	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2210	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2211	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2212	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2213	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2214	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2215	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2216	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2217	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2218	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2219	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2220	244	reputation and domain and (insustry reports or internet monitoring web site or news article or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		court record) and (renesys or propriety data or arbor networks or user behavior)					
L2221	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2222	129	L614 not L613	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2223	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2224	0	L614 and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2225	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2226	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2227	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2228	0	L616 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2229	0	L616 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2230	0	L616 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2231	0	L616 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2232	0	L616 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2233	7	L616 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2234	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2235	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2236	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2237	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2238	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2239	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2240	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2241	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		and rat$3 and commercial data					
L2242	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2243	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2244	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2245	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2246	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2247	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2248	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2249	704	L641 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2250	277	L642 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2251	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2252	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2253	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2254	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2255	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2256	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2257	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2258	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2259	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2260	23	L652 not L651	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2261	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

							02:48 PM
L2262	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2263	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2264	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2265	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2266	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2267	133	L658 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2268	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2269	63	L661 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2270	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2271	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2272	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2273	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2274	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2275	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2276	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2277	44	726/2,22,25.ccls. and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		(external$5 or third party) and (security) and (WGET or RSYNC or CURL)					02:48 PM
L2278	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2279	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2280	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2281	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2282	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2283	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2284	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2285	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2286	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2287	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2288	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2289	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2290	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2291	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2292	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2293	244	reputation and domain and (insustry reports or internet monitoring web site or news article or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		court record) and (renesys or propriety data or arbor networks or user behavior)					
L2294	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2295	129	L687 not L686	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2296	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2297	0	L687 and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2298	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2299	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2300	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2301	0	L689 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2302	0	L689 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2303	0	L689 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2304	0	L689 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2305	0	L689 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2306	7	L689 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2307	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2308	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2309	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2310	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2311	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2312	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2313	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2314	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2315	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2316	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2317	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2318	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2319	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2320	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2321	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2322	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2323	704	L715 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2324	277	L716 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2325	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2326	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2327	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2328	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2329	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2330	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2331	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2332	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2333	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2334	23	L726 not L725	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2335	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2336	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2337	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2338	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2339	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2340	133	L731 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2341	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2342	63	L734 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2343	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2344	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2345	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2346	25	L738 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2347	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L2348	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2349	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2350	247	L742 and L741	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2351	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2352	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2353	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2354	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2355	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2356	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2357	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2358	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2359	23	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		vulnerability with detection with compliance with assessment					02:48 PM
L2360	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2361	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2362	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2363	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2364	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2365	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2366	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2367	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2368	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L760	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2369	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2370	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2371	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2372	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2373	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2374	5	L765 and L766	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2375	888	((external$5 or third party) with (audit$4 or observ$5)) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		reputation and security and rat$3 and commercial					
L2376	5	L765 and L767	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2377	17	L765 and L768	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2378	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2379	64	L766 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2380	288	L768 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2381	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2382	0	L774 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2383	7160	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2384	34	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2385	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2386	81	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2387	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2388	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2389	286	((orginazation or	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/05/06

		company or bank$3) near3 resilien$3)	USOCR)				02:48 PM
L2390	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2391	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2392	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2393	0	((orginazation or company or bank$3) near3 resilien$3) and L785	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2394	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2395	1	((orginazation or company or bank$3) near3 resilien$3) and L787	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2396	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2397	0	((orginazation or company or bank$3) near3 resilien$3) and L789	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2398	8	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2399	340	graph with node with business with relationship	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2400	0	L792 and L763	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM

L2401	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2402	40	L792 and L794	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2403	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2404	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2405	3	L811 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2406	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2407	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2408	3	L816 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2409	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L2410	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2411	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2412	85	(resilien$3) with (malicious or vulnerability) with (duration or time)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2413	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2414	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2415	987	resilien$3 with duration	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2416	7	resilien$3 with duration with (vulnerability or down)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2417	104	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2023/05/06 02:48 PM
L2418	59	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2023/05/06 02:48 PM
L2419	183298	(H04L63/1433 OR G06Q10/0639 OR H04L43/062 OR H04L43/0876 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L61/5007 OR H04L67/53 OR H04L63/145).cpc.	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2420	2	"17069151"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/05/06 02:48 PM
L2421	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2422	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2423	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2424	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2425	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2426	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2427	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2428	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2429	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2430	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2431	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2432	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2433	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2434	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2435	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2436	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2437	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2438	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2439	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2440	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2441	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2442	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2443	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2444	244	reputation and domain and (insustry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)					
L2445	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2446	129	L25 not L24	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2447	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2448	0	L25 and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2449	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2450	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2451	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		networks or user behavior) and L27					
L2452	0	L27 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2453	0	L27 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2454	0	L27 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2455	0	L27 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2456	0	L27 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2457	7	L27 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2458	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2459	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2460	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2461	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2462	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2463	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2464	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2465	11	((external$5 or third party) with (audit$4 or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		observ$5)) and reputation and security and rat$3 and commercial data					
L2466	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2467	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2468	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2469	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2470	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2471	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2472	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2473	704	L54 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2474	277	L55 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2475	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2476	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2477	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2478	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2479	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2480	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2481	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2482	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2483	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2484	23	L66 not L65	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2485	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2486	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2487	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2488	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2489	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2490	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2491	133	L73 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2492	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2493	63	L76 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2494	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2495	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2496	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2497	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2498	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2499	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2500	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2501	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2502	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2503	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2504	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2505	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2506	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2507	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2508	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2509	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2510	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2511	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2512	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2513	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2514	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2515	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2516	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2517	244	reputation and domain and (insustry reports or internet monitoring web	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)					
L2518	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2519	129	L102 not L101	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2520	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2521	0	L102 and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2522	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2523	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2524	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		behavior) and L104					
L2525	0	L104 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2526	0	L104 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2527	0	L104 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2528	0	L104 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2529	0	L104 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2530	7	L104 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2531	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2532	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2533	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2534	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2535	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2536	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2537	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2538	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		sources					
L2539	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2540	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2541	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2542	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2543	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2544	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2545	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2546	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2547	704	L130 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2548	277	L131 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2549	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2550	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2551	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2552	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2553	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2554	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2555	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2556	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2557	62	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		public with secur$5					
L2558	23	L141 not L140	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2559	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2560	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2561	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2562	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2563	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2564	133	L147 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2565	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2566	63	L150 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2567	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2568	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2569	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2570	25	L156 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2571	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L2572	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2573	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2574	247	L160 and L159	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2575	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2576	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2577	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2578	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2579	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2580	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2581	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2582	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2583	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2584	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2585	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2586	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2587	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2588	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2589	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2590	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2591	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

		OR US-1331018-$.DID.					
L2592	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L180	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2593	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2594	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2595	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2596	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2597	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2598	5	L186 and L187	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2599	888	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial					02:48 PM
L2600	5	L186 and L188	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2601	17	L186 and L189	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2602	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2603	64	L187 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2604	288	L189 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2605	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2606	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2607	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2608	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2609	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2610	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2611	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2612	44	726/2,22,25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		party) and (security) and (WGET or RSYNC or CURL)					
L2613	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2614	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2615	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2616	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2617	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2618	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2619	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2620	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2621	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2622	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2623	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2624	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2625	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2626	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2627	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2628	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		(renesys or propriety data or arbor networks or user behavior)					
L2629	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2630	129	L219 not L218	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2631	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2632	0	L219 and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2633	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2634	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2635	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2636	0	L221 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2637	0	L221 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2638	0	L221 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2639	0	L221 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2640	0	L221 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2641	7	L221 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2642	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2643	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2644	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2645	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2646	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2647	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2648	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2649	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		commercial data					
L2650	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2651	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2652	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2653	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2654	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2655	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2656	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2657	704	L246 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2658	277	L247 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2659	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2660	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2661	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2662	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2663	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2664	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2665	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2666	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2667	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2668	23	L257 not L256	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2669	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2670	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2671	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2672	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2673	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2674	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2675	133	L263 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2676	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2677	63	L266 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2678	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2679	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2680	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2681	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2682	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2683	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2684	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2685	44	726/2,22,25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		party) and (security) and (WGET or RSYNC or CURL)					
L2686	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2687	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2688	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2689	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2690	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2691	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2692	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2693	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2694	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2695	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2696	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2697	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2698	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2699	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2700	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2701	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		(renesys or propriety data or arbor networks or user behavior)					
L2702	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2703	129	L292 not L291	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2704	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2705	0	L292 and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2706	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2707	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2708	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2709	0	L294 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2710	0	L294 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2711	0	L294 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2712	0	L294 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2713	0	L294 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2714	7	L294 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2715	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2716	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2717	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2718	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2719	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2720	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2721	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2722	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2723	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2724	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2725	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2726	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2727	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2728	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2729	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2730	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2731	704	L320 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2732	277	L321 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2733	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2734	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2735	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2736	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2737	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2738	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2739	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2740	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2741	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2742	23	L331 not L330	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2743	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2744	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2745	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2746	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2747	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2748	133	L336 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2749	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2750	63	L339 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2751	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2752	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2753	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2754	25	L343 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2755	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L2756	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2757	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2758	247	L347 and L346	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2759	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2760	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2761	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2762	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2763	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2764	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2765	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2766	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2767	23	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		detection with compliance with assessment					
L2768	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2769	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2770	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2771	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2772	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2773	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2774	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2775	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2776	0	(insustry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L365					02:48 PM
L2777	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2778	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2779	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2780	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2781	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2782	5	L370 and L371	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2783	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		and rat$3 and commercial					
L2784	5	L370 and L372	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2785	17	L370 and L373	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2786	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2787	64	L371 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2788	288	L373 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2789	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2790	0	L386 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2791	7160	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2792	34	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2793	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2794	81	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2795	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2796	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2797	286	((orginazation or company or bank$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM

		near3 resilien$3)					
L2798	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2799	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2800	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2801	0	((orginazation or company or bank$3) near3 resilien$3) and L397	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2802	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2803	1	((orginazation or company or bank$3) near3 resilien$3) and L399	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2804	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2805	0	((orginazation or company or bank$3) near3 resilien$3) and L401	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2806	8	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L2807	2	"15089375"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2808	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2809	13	726/25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		party) and (security) and (WGET or RSYNC or CURL)					
L2810	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2811	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2812	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2813	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2814	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2815	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2816	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2817	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2818	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2819	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2820	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2821	0	(external$5 or third party) with (commercial near data) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		reputation					
L2822	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2823	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2824	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2825	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2826	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2827	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2828	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2829	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2830	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2831	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2832	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2833	129	L430 not L429	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2834	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2835	0	L430 and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2836	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2837	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2838	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2839	0	L432 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2840	0	L432 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2841	0	L432 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2842	0	L432 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2843	0	L432 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2844	7	L432 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2845	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2846	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2847	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2848	1631	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) with (audit$4 or observ$5)) and reputation and security					02:48 PM
L2849	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2850	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2851	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2852	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2853	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2854	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2855	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2856	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2857	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2858	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2859	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2860	704	L457 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2861	277	L458 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2862	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2863	336	network reputation and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		(rat$3 or assess$4)					02:48 PM
L2864	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2865	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2866	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2867	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2868	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2869	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2870	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2871	23	L468 not L467	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2872	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2873	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2874	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2875	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2876	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2877	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2878	133	L474 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2879	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2880	63	L477 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2881	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2882	13	726/25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		party) and (security) and (WGET or RSYNC or CURL)					
L2883	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2884	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2885	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2886	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2887	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2888	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2889	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2890	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2891	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2892	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2893	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2894	0	(external$5 or third party) with (commercial near data) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		reputation					
L2895	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2896	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2897	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2898	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2899	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2900	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2901	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2902	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2903	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2904	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2905	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2906	129	L503 not L502	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2907	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2908	0	L503 and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2909	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2910	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2911	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2912	0	L505 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2913	0	L505 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2914	0	L505 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2915	0	L505 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2916	0	L505 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2917	7	L505 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2918	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2919	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2920	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2921	869	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) with audit$4)and reputation and security					02:48 PM
L2922	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2923	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2924	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2925	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2926	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2927	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2928	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2929	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2930	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2931	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2932	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2933	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2934	704	L531 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2935	277	L532 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2936	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2937	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2938	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2939	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2940	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2941	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2942	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2943	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2944	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2945	23	L542 not L541	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2946	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2947	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2948	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2949	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2950	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2951	133	L547 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2952	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2953	63	L550 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2954	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2955	62	network (reputation or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		assess$4 or rat$3) with public with secur$5					02:48 PM
L2956	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2957	25	L554 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2958	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2959	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2960	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2961	247	L558 and L557	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2962	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2963	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM

L2964	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2965	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2966	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2967	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2968	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2969	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2970	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2971	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2972	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2973	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2974	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2975	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2976	13	726/25.ccls. and (external$5 or third party) and (security)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		and (WGET or RSYNC or CURL)					
L2977	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2978	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2979	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L576	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2980	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2981	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2982	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2983	408	((H04L63/20 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					02:48 PM
L2984	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2985	5	L581 and L582	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2986	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2987	5	L581 and L583	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2988	17	L581 and L584	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2989	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2990	64	L582 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2991	288	L584 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2992	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2993	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L2994	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2995	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2996	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2997	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2998	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L2999	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3000	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3001	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3002	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3003	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3004	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3005	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3006	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3007	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3008	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3009	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3010	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3011	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3012	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3013	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3014	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3015	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3016	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3017	129	L614 not L613	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3018	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3019	0	L614 and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3020	0	(insustry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616					02:48 PM
L3021	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3022	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3023	0	L616 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3024	0	L616 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3025	0	L616 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3026	0	L616 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3027	0	L616 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3028	7	L616 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3029	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3030	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3031	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3032	1631	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3033	1531	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) with (audit$4 or observ$5)) and reputation and security and rat$3					02:48 PM
L3034	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3035	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3036	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3037	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3038	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3039	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3040	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3041	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3042	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3043	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3044	704	L641 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3045	277	L642 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3046	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3047	336	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3048	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3049	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3050	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3051	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3052	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3053	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3054	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3055	23	L652 not L651	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3056	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3057	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3058	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3059	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3060	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3061	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3062	133	L658 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3063	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3064	63	L661 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3065	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3066	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3067	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3068	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3069	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3070	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3071	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3072	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3073	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3074	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3075	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3076	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3077	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3078	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3079	45	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3080	27	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3081	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3082	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3083	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3084	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3085	347	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3086	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3087	14241	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3088	244	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3089	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3090	129	L687 not L686	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3091	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3092	0	L687 and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3093	0	(insustry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689					02:48 PM
L3094	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3095	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3096	0	L689 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3097	0	L689 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3098	0	L689 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3099	0	L689 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3100	0	L689 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3101	7	L689 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3102	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3103	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3104	65	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3105	869	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3106	1631	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		party) with (audit$4 or observ$5)) and reputation and security					02:48 PM
L3107	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3108	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3109	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3110	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3111	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3112	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3113	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3114	192	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3115	35	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3116	137	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3117	1938	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3118	704	L715 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3119	277	L716 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3120	361	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3121	336	network reputation and	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		(rat$3 or assess$4)					02:48 PM
L3122	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3123	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3124	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3125	1957	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3126	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3127	39	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3128	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3129	23	L726 not L725	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3130	4	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3131	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3132	10288	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3133	2656	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3134	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3135	133	L731 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3136	1468	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3137	63	L734 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3138	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3139	62	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3140	37	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3141	25	L738 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3142	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3143	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3144	939	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3145	247	L742 and L741	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3146	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3147	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3148	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3149	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3150	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3151	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3152	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3153	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3154	23	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3155	44	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3156	36	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3157	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3158	9	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3159	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3160	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

L3161	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3162	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3163	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L760	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3164	1568	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3165	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3166	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3167	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L3168	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3169	5	L765 and L766	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3170	888	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3171	5	L765 and L767	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3172	17	L765 and L768	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3173	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3174	64	L766 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3175	288	L768 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3176	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3177	0	L774 and resilie$4	(US-PGPUB; USPAT;	ADJ	ON	ON	2023/05/06

			USOCR)				02:48 PM
L3178	7160	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3179	34	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3180	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3181	81	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3182	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3183	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3184	286	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3185	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3186	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3187	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3188	0	((orginazation or company or bank$3) near3 resilien$3) and L785	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3189	1531	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		and rat$3					
L3190	1	((orginazation or company or bank$3) near3 resilien$3) and L787	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3191	20598	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3192	0	((orginazation or company or bank$3) near3 resilien$3) and L789	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3193	8	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3194	340	graph with node with business with relationship	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3195	0	L792 and L763	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3196	93581	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3197	40	L792 and L794	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2023/05/06 02:48 PM
L3198	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3199	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3200	3	L811 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3201	12	(US-20040193918-$ or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06

		US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.					02:48 PM
L3202	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3203	3	L816 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3204	408	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3205	260	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3206	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3207	85	(resilien$3) with (malicious or vulnerability) with (duration or time)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3208	373	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3209	244	reputation and domain and (insustry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM

		internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)					
L3210	987	resilien$3 with duration	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3211	7	resilien$3 with duration with (vulnerability or down)	(US-PGPUB; USPAT)	ADJ	ON	ON	2023/05/06 02:48 PM
L3212	104	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2023/05/06 02:48 PM
L3213	59	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2023/05/06 02:48 PM
L3214	183298	(H04L63/1433 OR G06Q10/0639 OR H04L43/062 OR H04L43/0876 OR H04L61/5007 OR H04L67/53 OR H04L63/145).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/05/06 02:48 PM
L3215	2	"17069151"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2023/05/06 02:48 PM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N50	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/04/18

							09:53 AM
N71	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/03 09:14 AM
N152	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
N153	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
N164	1	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/18 09:54 AM
N165	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/18 10:00 AM
N185	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 10:25 PM
N379	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N380	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N381	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N382	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N383	1	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N384	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N385	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N404	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2016/03/07 10:27 AM
N796	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N797	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N798	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N799	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N800	0	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N801	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N802	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N803	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N804	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N805	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N806	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:55 AM
N807	0	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N808	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N809	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N810	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2016/08/08 10:55 AM
N814	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2016/09/05 10:52 PM
N824	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2017/02/07 05:13 AM
N829	5	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:13 AM
N830	80755	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:13 AM
N831	93	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:13 AM
N832	562	((orginazation or company or bank$3) resilien$3).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:14 AM
N833	0	((external$5 or third party) (security) and (commercial data) and reputation).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:14 AM
N834	0	(reputation and ((insustry reports) or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:15 AM
N835	46	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:20 AM

Patents (security) (entity) (data) (address) (score) before:priority:20100924

(security); (entity); (data); (address); (score); Before: priority 2010-09-24;

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Information technology security assessment system



US · US20210211458A1 · Stephen Wayne Boyer · BitSight Technologies, Inc.
Priority 2010-09-24 · Filed 2020-10-13 · Published 2021-07-08
A method and system for creating a composite **security rating** from **security** characterization **data** of a third party computer system. The **security** ... To determine quality metrics for IP **address** based assets, every IP **address** is uniquely mapped to an **entity**. Processing the **data** from a **data** source ...

Syndicating ultrasound echo data in a healthcare environment



US · US7769231B2 · James F. Moore · Newsilike Media Group, Inc.
Priority 2005-02-01 · Filed 2006-12-22 · Granted 2010-07-01 · Published 2010-07-01
These and other applications may be realized using the **data** feed technology described herein. All such **entity**-to-**entity** communications described ... such as **security**, privacy, **data** integrity, and quality of service. There remains a vital need for components and services that explicitly **address** the ...

System and method of peer to peer searching, sharing, social networking and ...



WO · EP · US · CA · US8307029B2 · Yogesh Chunilal Rathod · Yogesh Chunilal Rathod
Priority 2005-07-22 · Filed 2010-05-09 · Granted 2011-12-06 · Published 2011-12-06
... **security** and reliable authorization of each of channel node in the system. The registration details generally include identification details, **address** ... on preference settings at the node including number of depths, number of **results**, expiration time. 21. The method of claim 1 , wherein receiving **data** ...

System and method for dynamic automatic communication path selection, ...



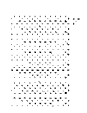
US · US8594024B2 · Jeffrey G. Boman · Jumpstart Wireless Corporation
Priority 2005-06-29 · Filed 2009-09-21 · Granted 2013-07-23 · Published 2013-07-23
For example, the dynamic **address** assignment used by many mobile TCP/IP-supporting devices **results** in their having a different TCP/IP **address** each ... With some **entities**, such as some **data** items (e.g. nodes), the **security** specification is embedded into the **entity** as a normal aspect of such **entities**.

System and method for secure three-party communications



US · US9064131B1 · David P. Felsher · David P. Felsher
Priority 2001-03-23 · Filed 2012-11-20 · Granted 2014-12-02 · Published 2014-12-02
The record indices may thus be maintained by **entities** privy to the private information, with **results** returned to the user, without requiring any ... The **data** transmission may be made **secure** with respect to the second party by maintaining the information in encrypted format at the second party, ...

Crawling secure data sources



US · US8601023B2 · Qiyu Liao · Oracle International Corporation
Priority 2006-03-01 · Filed 2012-06-28 · Granted 2013-12-03 · Published 2013-12-03
... utilize user and group **entities** to represent the subjects and access control lists (ACLs) to represent **security** policies. This model does not **address** ... When the **results** for the query are received from the appropriate **data** source, based on terms in the query and the **security** attribute values, the ...

Detecting a Memory Error While Servicing Encoded Data Slice Access Messages



US · US20220278778A1 · Andrew D. Baptist · Pure Storage, Inc.
Priority 2009-12-29 · Filed 2022-04-29 · Published 2022-09-01
... the task corresponding to the partial **results**. For example, the partial **results** include header information that identifies the requesting **entity**, ... issues a retrieve request to the DST execution units for the desired **data** 92 . The retrieve request may **address** each DST executions units storing ...

Information record infrastructure, system and method



WO · US · AU · US8489941B2 · David Paul Felsher · David Paul Felsher
Priority 2000-07-06 · Filed 2009-07-22 · Granted 2013-07-30 · Published 2013-07-30
... the digital signature on the transmitted **data**. The program interacts with basic information stored within the confines of the receiver. As **result** of ... set of access rules, comprising: receiving, by a **security** processor, a request for access to records associated with at least one of an **entity**, ...

Black Kite Ex. 1002, Page 306 of 651

Variant entries in network **data** repositories



US • US9226272B2 • Kevin Wakefield • Apertio Limited
Priority 2007-04-10 • Filed 2012-04-20 • Granted 2015-03-31 • Published 2015-03-31
typically maintains subscriber-related information, such as subscriber identification, numbering and **addressing**, subscriber **security** information for ... wherein the protocol adaptation module is configured to report **results** of the **data** request to the requesting **entity** using the entry name provided by ...

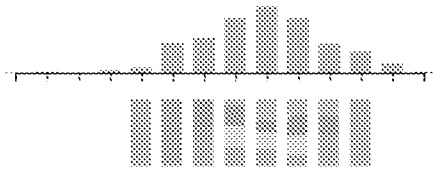
Data exchange among **data** sources



WO US • US8422282B2 • David Wilkinson • International Business Machines Corporation
Priority 2007-03-29 • Filed 2008-03-28 • Granted 2013-04-23 • Published 2013-04-23
... also be queried about the past history of changes of the **data** in the matching **data** so that, for example, the past **addresses** for a particular **entity** ... associated with the requirement (legal, customary, or otherwise) for treating other **data** as sensitive, **secure**, confidential, secret, etc. As a **result** ...

Next > >> More than 100,000 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
International Business Machines Corporation		2
Accenture Llp		2
Jumptap, Inc.		
Mcafee, Inc.		1
Oracle International Corporation		1

Expand

Black Kite Ex. 1002, Page 307 of 651

Patents (~patent/US20210211454A1)

(~patent/US20210211454A1);

About 4,470 results

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Network security threat detection by user/user-entity behavioral analysis



US · US9516053B1 · Sudhakar Muddu · Splunk Inc.

Priority 2015-08-31 · Filed 2015-10-30 · Granted 2016-12-06 · Published 2016-12-06

Similar A security platform employs a variety techniques and mechanisms to detect security related anomalies and threats in a computer network environment. The security platform is "big data" driven and employs machine learning to perform security analytics. The security platform performs user/entity ...

Automated behavioral and static analysis using an instrumented sandbox and ...



EP US ES · US10762206B2 · Theodora H. Thanis · Verasode, Inc.

Priority 2011-09-16 · Filed 2017-05-16 · Granted 2020-09-01 · Published 2020-09-01

Similar A method comprises, based on receiving a request to analyze at least a first mobile application, scheduling the request for a first sandbox. The first mobile application is analyzed based on the request, wherein the analysis of the first mobile application comprises performing a behavioral ...

Systems and methods for network flow remediation based on risk correlation



WO US JP KR IL · US20221258B2 · Srinivas Kumar · Tanium, Inc.

Priority 2012-05-01 · Filed 2012-07-27 · Granted 2015-05-05 · Published 2015-05-05

Similar Instrumented networks and platforms having target subjects (devices, transactions, services, users, organizations) are disclosed. A security orchestration service generates runtime operational integrity profiles representing and identifying a level of threat or contextual trustworthiness, at near ...

System and method for securing an enterprise computing environment



WO EP US CN · CN107209212B · [illegible] · [illegible]

Priority 2015-02-24 · Filed 2016-02-24 · Granted 2021-03-09 · Published 2021-03-09

Similar Methods and systems provided herein include a network intelligence system, a unified application firewall, and a cloud security architecture having an enterprise API for connecting to an information technology infrastructure of an enterprise, a developer API 102 for enabling developers to access ...

System and method for automated policy audit and remediation management



WO EP US JP · US9294482B2 · John Leslie Williams · Mosaic, Inc.

Priority 2003-02-14 · Filed 2013-05-26 · Granted 2015-07-28 · Published 2015-07-28

Similar A prevention-based network auditing system includes a central compliance server providing a user interface allowing a user to schedule and configure a network audit. The configured audit is stored in an audit repository until its scheduled time. At such a time, the compliance server automatically ...

System and method to determine the validityof an interaction on a network



WO EP US CN JP KR AU CA SG GB · US20170126824A1 · Stephen Dooley · Excalibur Ip, Llc

Priority 2000-02-14 · Filed 2017-01-17 · Published 2017-05-04

Similar A computer implemented method determines validity of web-based interactions. Web-based interaction data relating to a web-based interaction may be accessed. The web-based interaction data may include aggregate measure data that may include a number of unique queries per web-based session. The ...

Pervasive, domain and situational-aware, adaptive, automated, and coordinated ...



US · US20200322345A1 · Partha Datta Ray · Albeado, Inc.

Priority 2011-10-14 · Filed 2020-06-18 · Published 2020-10-08

Similar Real time security, integrity, and reliability postures of operational (OT), information (IT), and security (ST) systems, as well as slower changing security and operational blueprint, policies, processes, and rules governing the enterprise security and business risk management process, ...

Implementation of continuous real-time validation of distributed data storage ...



WO US · US20190130114A1 · Alfred Michael SMITH · Pricewaterhousecoopers Llp

Priority 2017-10-30 · Filed 2018-10-30 · Published 2019-05-02

Similar Provided herein is a system and method for implementing a real-time and continuous validation tool for a distributed ledger-based computing system (i.e., blockchain). In one or more examples a real-time validation tool and system can continuously monitor a blockchain computing system for ...

Methods and systems for malicious message detection and processing



US · US10530808B2 · Angelo Stamos · Proofpoint, Inc.
Priority 2012-06-07 · Filed 2019-04-16 · Granted 2020-01-07 · Published 2020-01-07
Similar Methods and corresponding systems for malicious message detection and processing are provided herein. According to example embodiments, a method includes detecting, via an intermediary node, a link included in a message, the link being associated with an unknown resource. The intermediary node may ...

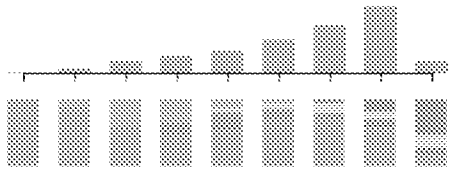
Prioritizing vulnerability scan results



US · US20210250371A1 · Steven Ocepek · International Business Machines Corporation
Priority 2018-10-15 · Filed 2021-04-27 · Published 2021-08-12
Similar Prioritizing vulnerability scan results is provided. Vulnerability scan results data corresponding to a network of data processing systems are received from a vulnerability scanner. The vulnerability scan results data are parsed to group the vulnerability scan results data by vulnerability ...

Next › » About 4,470 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
International Business Machines Corporation		1(
Bank Of America Corporation		2
Microsoft Technology Licensing, Llc		2
OneTrust, LLC		1
Microsoft Corporation		1

Expand

Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Boyer et al.

Application No.: 17/069,151 | Confirmation No.: 3411

Filed: October 13, 2020 | Art Unit: 2492

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM | Examiner: S. P. Kanaan

Submitted via Patent Center

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION UNDER 37 C.F.R. § 1.111

INTRODUCTORY COMMENTS

In response to the Office Action dated November 4, 2022, please amend the above-identified U.S. patent application as follows:

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

Remarks/Arguments begin on page 6 of this paper.

AMENDMENTS TO THE CLAIMS

1.-120. (Cancelled)

121. (New) A method for determining a security rating of an entity, the method comprising:

determining an internal security rating comprising:

obtaining data indicative of internal security from a plurality of internal data sources;

extracting a plurality of internal security features from the obtained data;

applying a respective transformation function to each of the plurality of internal security features to determine a first plurality of transformed features; and

combining the first plurality of transformed features to form the internal security rating;

determining an external security rating comprising:

obtaining data indicative of external security from a plurality of external data sources;

extracting a plurality of external security features from the obtained data;

applying a respective transformation function to each of the plurality of external security features to determine a second plurality of transformed features; and

combining the second plurality of transformed features to form the external security rating; and

providing, via a reporting facility, a composite security rating for the entity based on the internal security rating and the external security rating, wherein at least one of the internal security features or the external security features indicates malicious activity associated with an IP address of the entity.

122. (New) The method of claim 121, further comprising:

determining the composite security rating based on a weighted combination of the internal security rating and the external security rating.

123. (New) The method of claim 121, wherein the plurality of internal data sources comprises:

vulnerability scan data of the entity;

data indicating firewall rules of the entity;

data from security incident reports corresponding to the entity;

data indicative of computer network configurations of the entity;

data indicative of software inventory of the entity;

data indicative of security policies of the entity;

data indicative of security controls of the entity; and

data indicative of user behavior corresponding to the entity.

124. (New) The method of claim 121, wherein at least one of the internal security features or the external security features comprise at least one of:

a number of remotely exploitable vulnerabilities of the entity;

a number of security incidents; or

a number of vulnerable versions of software of the entity.

125. (New) The method of claim 121, wherein each respective transformation function is a normalization of the respective feature, and further comprising:

when the normalization is applied to two or more of the internal security features or the external security features, summing the normalized features.

126. (New) The method of claim 121, wherein determining the internal security rating further comprises weighting the first plurality of transformed features.

127. (New) The method of claim 121, wherein combining the first plurality of transformed features comprises:

summing the first plurality of transformed features; and

normalizing the summed features by a set of normalization factors.

128. (New) The method of claim 121, wherein combining the second plurality of transformed features comprises:

summing the second plurality of transformed features; and

normalizing the summed features by a set of normalization factors.

129. (New) A system for determining a security rating of an entity, the system comprising:

one or more computer systems programmed to perform operations comprising:

determining an internal security rating comprising:

obtaining data indicative of internal security from a plurality of internal data sources;

extracting a plurality of internal security features from the obtained data;

applying a transformation function to each of the plurality of internal security features; and

combining the transformed features to form the internal security rating;

determining an external security rating comprising:

obtaining data indicative of external security from a plurality of external data sources;

extracting a plurality of external security features from the obtained data;

applying a transformation function to each of the plurality of external security features; and

combining the transformed features to form the external security rating; and

providing, via a reporting facility, a composite security rating for the entity based on the internal security rating and the external security rating, wherein at least one of the internal security features or the external security features indicates malicious activity associated with an IP address of the entity.

130. (New) The system of claim 129, wherein the one or more computer systems are further programmed to perform operations comprising:

determining the composite security rating based on a weighted combination of the internal security rating and the external security rating.

131. (New) The system of claim 129, wherein the plurality of internal data sources comprises:

vulnerability scan data of the entity;

data indicating firewall rules of the entity;

data from security incident reports corresponding to the entity;

data indicative of computer network configurations of the entity;

data indicative of software inventory of the entity;

data indicative of security policies of the entity;

data indicative of security controls of the entity; and

data indicative of user behavior corresponding to the entity.

132. (New) The system of claim 129, wherein the internal security features and the external security features comprise at least one of:

a number of remotely exploitable vulnerabilities of the entity;

a number of security incidents; or

a number of vulnerable versions of software of the entity.

133. (New) The system of claim 129, wherein each respective transformation function is a normalization of the respective feature, and wherein the one or more computer systems are further programmed to perform operations comprising:

when the normalization is applied to two or more of the internal security features or the external security features, summing the normalized features.

134. (New) The system of claim 129, wherein determining the internal security rating further comprises weighting the first plurality of transformed features.

135. (New) The system of claim 121, wherein combining the first plurality of transformed features further comprises:

summing the first plurality of transformed features; and

normalizing the summed features by a set of normalization factors.

136. (New) The system of claim 129, wherein combining the second plurality of transformed features further comprises:

summing the second plurality of transformed features; and

normalizing the summed features by a set of normalization factors.

REMARKS

In response to the Office Action dated November 4, 2022 ("Office Action"), Applicant respectfully requests reconsideration in view of the amendments and the following remarks.

Claim 1 was previously pending in this application. Claim 1 is cancelled without prejudice or disclaimer. New claims 121-136 are added. As a result, claims 121-136 are pending for examination, with claims 121 and 129 each being an independent claim. Support for the amendments can be found throughout the application as-filed. For example, support for the amendments can found at least in the application as-filed at pages 18-21 and in FIG. 3. No new matter has been added. Reconsideration of the claims as pending is respectfully requested.

Claim Rejections under 35 U.S.C. § 102

Claim 1 is rejected under 35 U.S.C. § 102 as purportedly being unpatentable over U.S. Publication No. 2006/0212925 to Shull et al. ("Shull"). Claim 1 has been cancelled and new claims 121-136 are added.

Shull is directed to "methods, systems, and software for implementing trust policies", including "the ability to calculate a trust score for an online entity based on the online entity's identification, relationships, history, and/ or other information."[1] Shull further describes that "trust scores may be provided to third parties (such as users, administrators, ISPs, etc.) to allow those third parties to make determinations about the trustworthiness of an online entity" and "take specific actions with respect to communications and/or data received from the entity."[2] However, Applicant respectfully submits that Shull fails to teach or suggest each and every element of new independent claims 121 and 129. Specifically, Shull fails to teach or suggest at least "determining an internal security rating", "determining an external security rating", and "providing, via a reporting facility, a composite security rating for the entity based on the internal security rating and the external security rating, wherein at least one of the internal security features or the external security features indicates malicious activity associated with an IP address of the entity" as presently recited in new independent claim 121.

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[1] Shull, ¶¶ [0010] and [0033].
[2] *Id.*, ¶ [0034].

Therefore, Applicant submits that Shull does not teach or suggest all of the limitations of independent claims 121 and 129. Claims 121-128 and 130-136 depend from either independent claim 121 or independent claim 129 and are also patentable for at least the same reasons and for their respective recited features.

CONCLUSION

In view of the above amendment, applicant believes the pending application is in condition for allowance. Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 07-1700, under Order No. BST-004C2 from which the undersigned is authorized to draw.

Dated: January 30, 2023

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
www.uspto.gov

ELECTRONIC PAYMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/069,151	01/30/2023 12:49:03 PM ET	BST-004C2

Title of Invention

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

Application Information

APPLICATION TYPE	Utility - Nonprovisional Application under 35 USC 111(a)	PATENT #	-
CONFIRMATION #	3411	FILED BY	Anna Beaulieu
PATENT CENTER #	61510636	AUTHORIZED BY	Hunter Malboeuf
CUSTOMER #	51414	FILING DATE	10/13/2020
CORRESPONDENCE ADDRESS	-	FIRST NAMED INVENTOR	Stephen Wayne Boyer

Payment Information

PAYMENT METHOD	PAYMENT TRANSACTION ID	PAYMENT AUTHORIZED BY
CARD / 1146	E20231TC50182013	Anna Beaulieu

FEE CODE	DESCRIPTION	ITEM PRICE($)	QUANTITY	ITEM TOTAL($)
2806	SUBMISSION OF AN INFORMATION DISCLOSURE STATEMENT	104.00	1	104.00
			TOTAL AMOUNT:	$104.00

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

New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for 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.

UNITED STATES
PATENT AND TRADEMARK OFFICE

P.O. Box 1450
Alexandria, VA 22313 - 1450
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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #	RECEIPT DATE / TIME	ATTORNEY DOCKET #
17/069,151	**01/30/2023 12:49:03 PM ET**	**BST-004C2**

Title of Invention

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

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CONFIRMATION #	3411	FILED BY	Anna Beaulieu
PATENT CENTER #	61510636	FILING DATE	10/13/2020
CUSTOMER #	51414	FIRST NAMED INVENTOR	Stephen Wayne Boyer
CORRESPONDENCE ADDRESS	-	AUTHORIZED BY	Hunter Malboeuf

Documents

TOTAL DOCUMENTS: 5

DOCUMENT		PAGES	DESCRIPTION	SIZE (KB)
Search Query Report from IPcom 729.PDF		4	Non Patent Literature	218 KB
IDS.pdf		15	Information Disclosure Statement (IDS) Form (SB08)	198 KB
Warning: This is not a USPTO supplied IDS fillable form. Data in the form cannot be automatically loaded to other USPTO systems.				
RNFOA.pdf		7	-	44 KB
RNFOA-A....pdf	(1-1)	1	Amendment/Request for Reconsideration-After Non-Final Rejection	17 KB

RNFOA-CLM.pdf	(2-5)	4	Claims	26 KB
RNFOA-REM.pdf	(6-7)	2	Applicant Arguments/Remarks Made in an Amendment	26 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
Search Query Report from IPcom 729.PDF	9A8D2E4D9960C8182D430192BFC874B929E3582602A5111F154B980992C4963B70A5C967F2E76C859F743F872964ACC7FAFC628D06574CC63EB43E195F6B0AFA
IDS.pdf	5304A6C94AC885C996294634E7D8B7D957A1434A27116AA5642B08FB1F4E1D6B85E78E4497357F686D90000FAD12F89CD146FBB4F3A40725D72C0CC1F422A566
RNFOA.pdf	34BEA7315974DBBCD3D62A37839EBD838D711AA8C650DD8CDC3DB273894E8629646AE8523E1B25A73D679B21B2D7B942B634B8197B830A458F81403DDA0BABEB
RNFOA-A....pdf	BDA99B290A73CCD4746B46EAC352873D8D6D79A9DE53E8F6ED50CCB418943FB3440952A96BCEBAD08464AAAE5CB2D9B75C7B9FD373C7C1CDF2B1C94B7BC83952
RNFOA-CLM.pdf	9FBCF9B00E5E7C2B45C642DD538263AF538441E38705C503171D9CC39D3568CA991C61684E89D551AC9F9ECC6871BD6FA92E28F91D8E34CDD8AC39359645FE5E
RNFOA-REM.pdf	AFDCE52E793D33B1765FF5B0F2F1D3C52B1CDF663793210C5C4CF81511C4E59D9AD67269945F7C0ADB1CAB25C1D125CD717B2BDCB9F4F645BAA257DEB2AF3021

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Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Boyer et al.

Application No.: 17/069,151 | Confirmation No.: 3411

Filed: October 13, 2020 | Art Unit: 2492

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM | Examiner: S. P. Kanaan

Submitted via Patent Center

INFORMATION DISCLOSURE STATEMENT (IDS)

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the filing date of this application, OR more than three months after the date of entry of the national stage in the international application, AND after the mailing date of a first Office Action on the merits, but before the mailing date of any of a Final Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311 or an action that otherwise closes prosecution in this application (37 C.F.R. § 1.97(c)).

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted. Submitted herewith are copies of non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be

construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Applicant hereby apprises the Examiner of the following patent applications, including the contents of the file wrappers, the claims, any Office Actions issued therein, and any Notices of Allowance issued therefor:

Docket No.	**U.S. Serial No.:**	**Title**	**Filing Date**
BST-001	15/271,655 Published as: US 2018/0083999	SELF-PUBLISHED SECURITY RISK MANAGEMENT	September 21, 2016
BST-002	15/377,574 9,705,932	METHODS AND SYSTEMS FOR CREATING, DE-DUPLICATING, AND ACCESSING DATA USING AN OBJECT STORAGE SYSTEM	December 13, 2016
BST-003	14/021,585 9,438,615 Published as: US 2015/0074579	SECURITY RISK MANAGEMENT	September 9, 2013
BST-003C1	15/216,955 Published as: US 2016/0330231	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	July 22, 2016
BST-003C2	15/239,063 Published as: US 2017/0093901	SECURITY RISK MANAGEMENT	August 17, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-003C3	16/405,121 Published as: US 2019/0260791	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	May 7, 2019
BST-003C4	17/025,930 Published as US2021/0006581	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	September 18, 2020
BST-004	13/240,572 Published as: US 2016/0205126	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	September 22, 2011
BST-004C1	14/944,484 9,973,524 Published as: US 2016/0323308	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	November 18, 2015
BST-004C1CP	15/142,677 9,830,569 Published as: US 2016/0239772	SECURITY ASSESSMENT USING SERVICE PROVIDER DIGITAL ASSET INFORMATION	April 29, 2016
BST-007	15/134,845 9,680,858	ANNOTATION PLATFORM FOR A SECURITY RISK SYSTEM	April 21, 2016
BST-008	15/044,952 Published as: US 2017/0236077	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	February 16, 2016
BST-008C2	15/089,375 10,176,445 Published as: US 2017/0236079	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	April 1, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-009DA	29/598,298 D835,631	COMPUTER DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DB	29/598,299 D818,475	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DC	29/599,622 D847169	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-009DD	29/599,620 D846,562	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-010	16/015,686 10,425,380	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	June 22, 2018
BST-010C1	16/543,075 10,554,619	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	August 16, 2019
BST-010C2	16/738,825 10,893,021	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 9, 2020
BST-010C3	17/146,064 Published as: US2021/0218702	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 11, 2021
BST-011	15/918,286 10,257,219	CORRELATED RISK IN CYBERSECURITY	March 12, 2018
BST-011C1	16/292,956 10,594,723	CORRELATED RISK IN CYBERSECURITY	March 5, 2019
BST-011C2	16/795,056 10,931,705	CORRELATED RISK IN CYBERSECURITY	February 19, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-011C3	17/179,630 Published as US2021/0176269	CORRELATED RISK IN CYBERSECURITY	February 19, 2021
BST-012	16/170,680 10,521,583	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	October 25, 2018
BST-012C1	16/688647 10,776,483	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	November 19, 2019
BST-012C2	17/000,135 11,126,723	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	August 21, 2020
BST-012C3	17/401,683 Published as US 2021/0374243	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	August 13, 2021
BST-013	15/954,921 10,812,520	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	April 17, 2018
BST-013C1	17/014,495 Published as: US2020/0404017	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	September 8, 2020
BST-014	16/549,764 Published as: US2021/0058421	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	August 23, 2019

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-014C1	16/787650 10,749,893	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	February 11, 2020
BST-015	16/583,991 10,848,382	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	September 26, 2019
BST-015C1	17/085,550 11,329,878 Published as: US2021/0099347	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	October 30, 2020
BST-016D	29/666,942 D892,135	COMPUTER DISPLAY WITH GRAPHICAL USER INTERFACE	October 17, 2018
BST-017	16/360,641 11,200,323	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	March 21, 2019
BST-017C1	17/523166 Published as US 2022/0121753	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	November 10, 2021
BST-018	16/514,771 10,726,136	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 17, 2019
BST-018C1	16/922,673 11,030,325	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 7, 2020
BST-018C2	17/307,577 Published as:	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR	May 4, 2021

Docket No.	U.S. Serial No.:	Title	Filing Date
	US2021/0211454	ENTITIES	
BST-019D	29/677306 D905702	COMPUTER DISPLAY SCREEN WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE	January 18, 2019
BST-020	16/775,840 10,791,140	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	January 29, 2020
BST-020C1	17/018,587 11,050,779	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	September 11, 2020
BST-021	16/779,437 10,893,067 Published as: US2021/0243221	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	January 31, 2020
BST-021D1	17/132,512 Published as US 2021/0243221	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	December 23, 2020
BST-022	17/119,822 11,122,073	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND MANAGEMENT	December 11, 2020
BST-022D	29/815,855	COMPUTER DISPLAY WITH A GRAPHICAL USER INTERFACE FOR CYBERSECURITY RISK MANAGEMENT	November 17, 2021
BST-022D1	17/392,521 Published as US 2022/0191232	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND	August 3, 2021

Docket No.	U.S. Serial No.:	Title	Filing Date
		MANAGEMENT	
BST-023	16/802,232 10,764,298	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	February 26, 2020
BST-023C1	16/942,452 11,265,330	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	July 29, 2020
BST-023DA	29/725724	COMPUTER DISPLAY WITH RISK VECTORS GRAPHICAL USER INTERFACE	February 26, 2020
BST-023DB	29/736,641 D937870	COMPUTER DISPLAY WITH PEER ANALYTICS GRAPHICAL USER INTERFACE	June 2, 2020
BST-024	17/039,675 11,032,244 Published as US 2021/0099428	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	September 30, 2020
BST-024C1	17/320,997 Published as US 2021/0344647	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	May 14, 2021
BST-026	16/884,607 11,023,585	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	May 27, 2020
BST-026C1	17/236,594 Published as US 2021/0374246	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	April 21, 2021
BST-029	17/710,168	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY RISK IN A WORK FROM HOME ENVIRONMENT	March 31, 2022

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-030	17/945,337	SYSTEMS AND METHODS FOR PRECOMPUTATION OF DIGITAL ASSET INVENTORIES	September 15, 2022
BST-032	17/856,217	SYSTEMS AND METHODS FOR ACCELERATING CYBERSECURITY ASSESSMENTS	July 1, 2022

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

Please charge our Credit Card in the amount of $104.00 covering the fee set forth in 37 C.F.R. § 1.17(p). The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 07-1700, under Order No. BST-004C2.

Dated: January 30, 2023

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-6,745,150	06-01-2004	Breiman	
	A2	US-6,785,732	08-31-2004	Bates et al.	
	A3	US-7,650,570	01-19-2010	Torrens et al.	
	A4	US-8,000,698	08-16-2011	Wolman et al.	
	A5	US-8,359,651	01-22-2013	Wu et al.	
	A6	US-8,505,094	08-06-2013	Xuewen et al.	
	A7	US-8,601,575	12-03-2013	Mullarkey et al.	
	A8	US-8,752,183	06-10-2014	Heiderich et al.	
	A9	US-8,806,646	08-12-2014	Daswani et al.	
	A10	US-8,949,988	02-03-2015	Adams et al.	
	A11	US-8,966,639	02-24-2015	Roytman et al.	
	A12	US-9,479,526	10-25-2016	Yang	
	A13	US-9,736,019	08-15-2017	Hardison et al.	
	A14	US-10,210,329	02-19-2019	Malik et al.	
	A15	US-11,126,723	09-21-2021	Bagulho Monteiro Pereira, Tiago	
	A16	US-11,379,773	07-05-2022	Vescio, Robert	
	A17	US-2003/0011601-A1	01-16-2003	Itoh et al.	
	A18	US-2003/0074248-A1	04-17-2003	Braud et al.	
	A19	US-2004/0088570-A1	05-06-2004	Roberts et al.	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] *(if known)*	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]

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Sheet 2 of 6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A20	US-2005/0065807-A1	03-24-2005	DeAngelis et al.	
	A21	US-2007/0113282-A1	05-17-2007	Ross	
	A22	US-2007/0136622-A1	06-14-2007	Price et al.	
	A23	US-2008/0148408-A1	06-19-2008	Kao et al.	
	A24	US-2008/0270458-A1	10-30-2008	Gvelesiani	
	A25	US-2009/0064337-A1	03-05-2009	Chien	
	A26	US-2009/0276835-A1	11-05-2009	Jackson et al.	
	A27	US-2010/0024033-A1	01-28-2010	KANG et al.	
	A28	US-2010/0114634-A1	05-06-2010	Christiansen et al.	
	A29	US-2012/0036580-A1	02-09-2012	Gorny et al.	
	A30	US-2012/0174219-A1	07-05-2012	Hernandez et al.	
	A31	US-2013/0227697-A1	08-29-2013	ZANDANI	
	A32	US-2013/0263270-A1	10-03-2013	COTE et al.	
	A33	US-2013/0276056-A1	10-17-2013	EPSTEIN, JOE	
	A34	US-2014/0052998-A1	02-20-2014	Bloom et al.	
	A35	US-2014/0101006-A1	04-10-2014	Pitt	
	A36	US-2014/0137257-A1	05-15-2014	Martinez et al.	
	A37	US-2014/0173066-A1	06-19-2014	Newton et al.	
	A38	US-2014/0173736-A1	06-19-2014	Liu, Song	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] *(if known)*	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]

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Sheet 3 of 6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A39	US-2014/0283056-A1	09-18-2014	Bachwani et al.	
	A40	US-2014/0330616-A1	11-06-2014	Lyras	
	A41	US-2014/0337086-A1	11-13-2014	Asenjo et al.	
	A42	US-2014/0344332-A1	11-20-2014	Giebler	
	A43	US-2015/0052607-A1	02-19-2015	AL HAMAMI	
	A44	US-2015/0207776-A1	07-23-2015	Morin et al.	
	A45	US-2015/0347754-A1	12-03-2015	BORN, FRANK H.	
	A46	US-2016/0014081-A1	01-14-2016	Don, JR. et al.	
	A47	US-2016/0023639-A1	01-28-2016	CAJIGA et al.	
	A48	US-2016/0078382-A1	03-17-2016	Watkins et al.	
	A49	US-2016/0173520-A1	06-16-2016	Foster et al.	
	A50	US-2016/0212101-A1	07-21-2016	Reshadi et al.	
	A51	US-2016/0344769-A1	11-24-2016	LI	
	A52	US-2016/0378978-A1	12-29-2016	Singla et al.	
	A53	US-2017/0104783-A1	04-13-2017	VANUNU et al.	
	A54	US-2017/0161253-A1	06-08-2017	Silver	
	A55	US-2017/0223002-A1	08-03-2017	Sabin et al.	
	A56	US-2017/0264623-A1	09-14-2017	Ficarra et al.	
	A57	US-2017/0289109-A1	10-05-2017	CARAGEA, Radu	

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Sheet 4 of 6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A58	US-2017/0324555-A1	11-09-2017	Wu et al.	
	A59	US-2018/0088968-A1	03-29-2018	Myhre et al.	
	A60	US-2018/0146004-A1	05-24-2018	BELFIORE, JR. et al.	
	A61	US-2018/0191768-A1	07-05-2018	Broda et al.	
	A62	US-2019/0238439-A1	08-01-2019	Pugh et al.	
	A63	US-2019/0362280-A1	11-28-2019	VESCIO, Robert	
	A64	US-2020/0012794-A1	01-09-2020	Saldanha et al.	
	A65	US-2020/0065213-A1	02-27-2020	Poghosyan et al.	
	A66	US-2020/0092172-A1	03-19-2020	Kumaran et al.	
	A67	US-2020/0106798-A1	04-02-2020	Lin	
	A68	US-2021/0064746-A1	03-04-2021	KOIDE et al.	
	A69	US-D918955	05-11-2021	Madden, Jr. et al.	
	A70	US-D920343	05-25-2021	Bowland	
	A71	US-D920353	05-25-2021	Boutros et al.	
	A72	US-D921031	06-01-2021	Tessier et al.	
	A73	US-D921662	06-08-2021	Giannino et al.	
	A74	US-D921674	06-08-2021	Kmak et al.	
	A75	US-D921677	06-08-2021	Kmak et al.	
	A76	US-D922397	06-15-2021	Modi et al.	

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Sheet 5 of 6

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan
Attorney Docket Number	BST-004C2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A77	US-D924909	07-13-2021	Nasu et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	6	of	6	Attorney Docket Number	BST-004C2

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	S. P. Kanaan

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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.	T[2]
	C1	Search Query Report from IP.com (performed 7/29/2022).	

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PATENT APPLICATION FEE DETERMINATION RECORD Substitute for Form PTO-875	Application or Docket Number 17/069,151	Filing Date 10/13/2020	☐ To be Mailed

ENTITY: ☐ LARGE ☑ SMALL ☐ MICRO

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA		RATE ($)	FEE ($)
☐ BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A		N/A	
☐ SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A		N/A	
☐ EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	minus 20 =	*		x $50 =	
INDEPENDENT CLAIMS (37 CFR 1.16(h))	minus 3 =	*		x $240 =	
☐ 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).				
☐ MULTIPLE DEPENDENT CLAIM PRESENT (37 CFR 1.16(j))					
* If the difference in column 1 is less than zero, enter "0" in column 2.				TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT	01/30/2023	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	* 16	Minus	** 20	= 0		x $40 =	0
	Independent (37 CFR 1.16(h))	* 2	Minus	*** 3	= 0		x $192 =	0
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	0

		(Column 1)		(Column 2)	(Column 3)			
AMENDMENT		CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA		RATE ($)	ADDITIONAL FEE ($)
	Total (37 CFR 1.16(i))	*	Minus	**	=		x $0 =	
	Independent (37 CFR 1.16(h))	*	Minus	***	=		x $0 =	
	☐ Application Size Fee (37 CFR 1.16(s))							
	☐ FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							
							TOTAL ADD'L FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.	LIE
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20".	/DORIS M KING/
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3".	
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.	

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2	3411

51414 7590 11/04/2022

GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

EXAMINER	
KANAAN, SIMON P	

ART UNIT	PAPER NUMBER
2492	

NOTIFICATION DATE	DELIVERY MODE
11/04/2022	ELECTRONIC

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

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

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

JGoodwin@goodwinlaw.com
PSousa-Atwood@goodwinlaw.com
US-PatentBos@goodwinlaw.com

Office Action Summary	Application No. 17/069,151	Applicant(s) Boyer et al.	
	Examiner SIMON P KANAAN	Art Unit 2492	AIA (FITF) Status No

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

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTHS FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☑ Responsive to communication(s) filed on 10/13/2020.

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

2a)☐ This action is **FINAL.** 2b) ☑ This action is non-final.

3)☐ 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.

4)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims*

5) ☑ Claim(s) 1-120 is/are pending in the application.

5a) Of the above claim(s) 2-120 is/are withdrawn from consideration.

6) ☐ Claim(s) _____ is/are allowed.

7) ☑ Claim(s) 1 is/are rejected.

8) ☐ Claim(s) _____ is/are objected to.

9) ☐ Claim(s) _____ are subject to restriction and/or election requirement

* If any claims have been determined allowable, 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.**

Application Papers

10)☐ The specification is objected to by the Examiner.

11)☑ The drawing(s) filed on 3/30/2021 is/are: a)☑ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

Priority under 35 U.S.C. § 119

12)☐ 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)).

** See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)

2) ☑ Information Disclosure Statement(s) (PTO/SB/08a and/or PTO/SB/08b) Paper No(s)/Mail Date 7/2//2021.

3) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date _____.

4) ☐ Other: _____.

DETAILED ACTION

Office Action Summary

1. Instant application was filed 10/13/2020 and claims priority to 9/24/2010.

2. Claims 1-120 are pending in the instant application. Claims 2-120 have been canceled.

3. Claim 1 is rejected under 35 USC § 102.

Notice of Pre-AIA or AIA Status

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

5. In the event the determination of the status of the application as subject to AIA 35 U.S.C. 102 and 103 (or as subject to pre-AIA 35 U.S.C. 102 and 103) is incorrect, any correction of the statutory basis for the rejection will not be considered a new ground of rejection if the prior art relied upon, and the rationale supporting the rejection, would be the same under either status.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claim 1 is/are rejected under pre-AIA 35 U.S.C. 102[(b) as being anticipated by Shull et al. (US Pre-Grant Publication No: 2006/0212925 A1) hereinafter referred to as Shull.

As per claim 1, Shull teaches A method of evaluating information security of a third party computer system, the method comprising: collecting at least two security characterizations of the third party computer system; (Shull, [0033]-[0035], teaches "These databases may be used to determine associations between online entities and illicit activities, including without limitation phishing scams, trademark infringement, fraudulent sales and/or solicitations, misappropriation of identities and/or brand names, unwanted spam and/or pop-up windows, viruses, malicious code, spyware, trojans, and/or other security threats, and/or other illegitimate activities. In accordance with some embodiments, trust scores may be used to predict the trustworthiness of an online entity.")

generating a composite security rating using the at least two security characterizations; (Shull, [0033]-[0035], teaches "may calculate trust scores based on information stored in one or more databases")

wherein the two security characterizations are derived from externally observable characteristics of the third party computer system. (Shull, [0033]-[0035], teaches "These databases may be used to determine associations between online entities and illicit activities, including without limitation phishing scams, trademark infringement, fraudulent sales and/or solicitations, misappropriation of identities and/or brand names, unwanted spam and/or pop-up windows, viruses, malicious code, spyware, trojans, and/or other security threats, and/or other illegitimate activities. In accordance with some embodiments, trust scores may be used to predict the trustworthiness of an online entity.", these are stored in databases and are external to the system)

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to SIMON P KANAAN whose telephone number is (571)270-3906. The examiner can normally be reached on M-F (7AM-4PM).

Examiner interviews are available via telephone, in-person, and video conferencing using a USPTO supplied web-based collaboration tool. To schedule an interview, applicant is encouraged to use the USPTO Automated Interview Request (AIR) at http://www.uspto.gov/interviewpractice.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571) 272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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 Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/SIMON P KANAAN/
Primary Examiner, Art Unit 2492

Search Notes	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	Art Unit
	SIMON P KANAAN	2492

CPC - Searched*		
Symbol	Date	Examiner
H04L63/1433 + text	10/28/2022	SK

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

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

Search Notes		
Search Notes	Date	Examiner
Inventor and Assignee Search + text (SEARCH)	10/28/2022	SK
CPC + text (SEARCH: (H04L63/1433 or G06Q10/0639 or H04L43/062 or H04L43/0876 or H04L61/5007 or H04L67/53 or H04L63/145). cpc.)	10/28/2022	SK
NPL Search + text (Google patents and scholar)	10/28/2022	SK

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

/SIMON P KANAAN/ Primary Examiner, Art Unit 2492	

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	Art Unit
	SIMON P KANAAN	2492

✓	Rejected	-	Cancelled	N	Non-Elected	A	Appeal
=	Allowed	÷	Restricted	I	Interference	O	Objected

CLAIMS										
☐ Claims renumbered in the same order as presented by applicant			☐ CPA		☐ T.D.		☐ R.1.47			
CLAIM		DATE								
Final	Original	10/28/2022								
	1	✓								
	2	-								
	3	-								
	4	-								
	5	-								
	6	-								
	7	-								
	8	-								
	9	-								
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	41	-								
	42	-								

Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	**Art Unit**
	SIMON P KANAAN	2492

CLAIM		DATE								
Final	Original	10/28/2022								
	43	-								
	44	-								
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	46	-								
	47	-								
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Index of Claims	Application/Control No.	Applicant(s)/Patent Under Reexamination
	17/069,151	Boyer et al.
	Examiner	**Art Unit**
	SIMON P KANAAN	2492

CLAIM		DATE								
Final	Original	10/28/2022								
	95	-								
	96	-								
	97	-								
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	99	-								
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	118	-								
	119	-								
	120	-								

Patents (security) (entity) (data) (address) (score) before:priority:20100924

security; entity; data; address; score; Before: priority 2010-09-24;

About 105,194 results

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Sort by · Relevance · Group by · None · Deduplicate by · Family · Results / page · 10 ·

System and method for storing and accessing secure data



US · US7346622B2 · James M. Hillmer · Access Business Group International Llc
Priority 2002-12-12 · Filed 2003-12-12 · Granted 2008-03-18 · Published 2008-03-18
... **secure data** which is already known to those **entities** and which must also be communicated to identify or otherwise contextualize the non-**secure data**. ... and second **scores**. 13. The **data** manager of claim 1 , wherein said at least one parameter comprises at least one of name, billing **address**, home **address** ...

Syndicating ultrasound echo data in a healthcare environment



US · US7685731B2 · James F. Moore · Newsilike Media Group, Inc.
Priority 2005-02-01 · Filed 2006-12-22 · Granted 2014-07-01 · Published 2014-07-01
These and other applications may be realized using the **data** feed technology described herein. All such **entity**-to-**entity** communications described ... A feed may contain various types of information for signal type filters such as radio and TV broadcast content/**rating**, **security** information, and the ...

Authenticating entities engaging in automated or electronic transactions or ...



WO HK · US20150178715A1 · Michael F. Buhrmann · Finsphere Corporation
Priority 2007-03-16 · Filed 2015-03-05 · Published 2015-06-25
One or more Identity Risk Logic Resources are employed to generate fraud risk **scores** for **entities** or individuals engaged in a **secure** and automated ... 4. Email **address** 5. Home **address** 6. Home **address** type (customer provided or derived for prepaid subscribers) 7. Indicative **data** change events (change ...

System and method for dynamic automatic communication path selection, ...



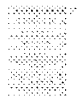
US · US8526466B2 · Jeffrey G. Boman · Jumpstart Wireless Corporation
Priority 2005-06-29 · Filed 2009-09-21 · Granted 2013-07-23 · Published 2013-07-23
Configuration **Data** Configuration **data** representing communication paths and the **address**, authentication, **security** specifications, priority, preference ... 15490). The Associated **Entity** ID (15100) is present in **security** specifications that are stored separately from the associated **entity**, and is ...

Subscription-based method for facilitating user-to-user communication in a ...



WO EP US CA · US20170054662A1 · Yogesh Chunilal Rathod · OnePatom Software Ltd.
Priority 2005-07-22 · Filed 2016-02-25 · Published 2017-02-23
... **security** and reliable authorization of each of channel node in the system. The registration details generally include identification details, **address** ... . Matching the uses on the basis of historic **data** contents may **result** in the mismatch as any user may no longer be interested in the subject matter.

Crawling secure data sources



US · US8601023B2 · Qiyu Liao · Oracle International Corporation
Priority 2006-03-01 · Filed 2012-06-28 · Granted 2013-12-03 · Published 2013-12-03
... utilize user and group **entities** to represent the subjects and access control lists (ACLs) to represent **security** policies. This model does not **address** ... When the **results** for the query are received from the appropriate **data** source, based on terms in the query and the **security** attribute values, the ...

System and method for secure three-party communications



US · US8904181B1 · David P. Felsher · David P. Felsher
Priority 2001-03-23 · Filed 2012-11-20 · Granted 2014-12-02 · Published 2014-12-02
The record indices may thus be maintained by **entities** privy to the private information, with **results** returned to the user, without requiring any ... The **data** transmission may be made **secure** with respect to the intermediary by providing an asymmetric key or direct key exchange for encryption of the ...

Information record infrastructure, system and method

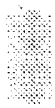


WO US AU · US8495061B1 · David Paul Felsher · David Paul Felsher
Priority 2000-07-06 · Filed 2009-07-22 · Granted 2013-07-30 · Published 2013-07-30
... quality **score**); U.S. Pat. No. 6,068,184 (**Security** card and system for use thereof; U.S. Pat. No. 6,064,751 (Document and signature **data** capture ... searching the plurality of automated electronic databases to find records relating to an **entity** corresponding to the request, and records having ...

Data exchange among data sources

WO US · US8429226B2 · David Wilkinson · International Business Machines Corporation
Priority 2007-03-29 · Filed 2008-03-28 · Granted 2013-04-23 · Published 2013-04-23
Exemplary matching **data** for an **entity** might include fields or attributes like first name, last name, **address**, phone number, social **security** number (... Systems and methods for joining **results** in loosely collaborative

Black Kite Ex. 1002, Page 347 of 651



data exchanges which include a plurality of nodes in communication with each other ...

Variant entries in network **data** repositories

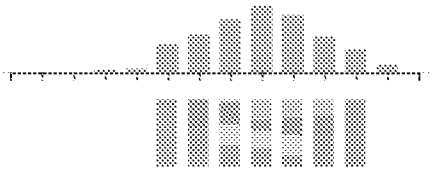


US · US9009772B2 · Kevin Wakefield · Aperio Limited
Priority 2007-04-10 · Filed 2012-04-20 · Granted 2015-03-31 · Published 2015-03-31
typically maintains subscriber-related information, such as subscriber identification, numbering and **addressing**, subscriber **security** information for ... wherein the protocol adaptation module is configured to report **results** of the **data** request to the requesting **entity** using the entry name provided by ...

Next >

About 105,194 results

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
Accenture Llp		2
International Business Machines Corporation		2
Jumptap, Inc		
Mcafee, Inc.		1
Oracle International Corporation		1

Expand

Black Kite Ex. 1002, Page 348 of 651

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/14 06:15 PM
L2	2	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/14 06:18 PM
L3	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:41 AM
L4	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L5	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L6	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L7	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 11:42 AM
L8	19	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 01:03 PM
L9	24	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:22 PM
L10	30	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:23 PM
L11	2	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:23 PM
L12	95	(external$5 or third party) and (security)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:25 PM

		and (commercial near data) and reputation					
L13	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:25 PM
L14	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:25 PM
L15	20	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:27 PM
L16	9	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:27 PM
L17	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:28 PM
L18	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:28 PM
L19	0	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:28 PM
L20	0	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:28 PM
L21	69	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:46 PM
L22	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:46 PM
L23	3268	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:48 PM
L24	32	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:49 PM
L25	49	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:56 PM
L26	17	L25 not L24	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 06:56 PM
L27	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2012/11/15 06:59 PM

		$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L28	0	L25 and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:02 PM
L29	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:02 PM
L30	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:02 PM
L31	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:03 PM
L32	0	L27 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:03 PM
L33	0	L27 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:03 PM
L34	0	L27 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:03 PM
L35	0	L27 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2012/11/15 07:06 PM
L36	0	L27 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2012/11/15 07:06 PM
L37	7	L27 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2012/11/15 07:06 PM
L39	1	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:11 PM

		(proprietary information)					
L40	13	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:16 PM
L41	132	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:21 PM
L42	237	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:21 PM
L43	230	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:21 PM
L44	164	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:22 PM
L45	0	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:22 PM
L46	3	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:22 PM
L47	3	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:22 PM
L48	3	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:24 PM
L49	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2012/11/15 07:27 PM
L51	27	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 07:02 PM
L52	17	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 08:17 PM
L53	29	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 08:18 PM

L54	1167	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 09:02 PM
L55	438	L54 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 09:02 PM
L56	166	L55 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/06 09:02 PM
L57	146	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 09:56 AM
L58	138	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 09:56 AM
L59	12	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 09:57 AM
L61	8	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:21 PM
L62	2	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:25 PM
L63	365	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:28 PM
L64	176	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:30 PM
L65	9	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:31 PM
L66	14	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:37 PM
L67	5	L66 not L65	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 02:38 PM
L68	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 03:10 PM
L69	1	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/11/07 11:33 PM
L70	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/03 09:14 AM
L72	3577	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:33 AM
L73	823	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:33 AM
L74	15274	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:34 AM
L75	86	L73 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:34 AM

L76	509	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:41 AM
L77	36	L76 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 08:41 AM
L78	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L79	7	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L80	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L81	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L82	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L83	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L84	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L85	28	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L86	28	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L87	37	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L88	3	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L89	108	(external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04

		party) and (security) and (commercial near data) and reputation					03:15 PM
L90	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L91	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L92	23	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L93	9	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L94	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L95	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L96	0	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L97	0	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L98	107	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L99	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L100	4364	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L101	46	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L102	78	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L103	32	L102 not L101	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L104	21	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2014/06/04 03:15 PM

		OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L105	0	L102 and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L106	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L107	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L108	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L109	0	L104 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L110	0	L104 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L111	0	L104 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L112	0	L104 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2014/06/04 03:15 PM
L113	0	L104 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2014/06/04 03:15 PM
L114	7	L104 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2014/06/04 03:15 PM
L115	24	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM

		reputation					
L116	1	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L117	15	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L118	179	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L119	322	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L120	308	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L121	204	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L122	0	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L123	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L124	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L125	4	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L126	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L127	29	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L128	19	(network near3	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04

		assessment) with public					03:15 PM
L129	32	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L130	1264	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L131	478	L130 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L132	185	L131 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L133	166	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L134	156	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L135	14	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L136	9	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L137	2	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L138	395	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L139	200	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L140	9	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L141	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L142	6	L141 not L140	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
L143	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L145	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L146	3577	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L147	823	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L148	15274	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L149	86	L147 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L150	509	(organization or	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04

		company) same reputation same (score or rating)					03:16 PM
L151	36	L150 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
L154	1	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:12 AM
L155	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:13 AM
L156	24	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:13 AM
L157	19	L156 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:16 AM
L158	58	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:17 AM
L159	27724	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:17 AM

		G06F21/00).CPC.)					
L160	390	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:18 AM
L161	87	L160 and L159	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/06 11:18 AM
L162	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/18 09:38 AM
L163	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2015/02/18 09:54 AM
L166	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L167	8	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L168	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L169	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L170	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L171	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L172	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L173	32	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L174	29	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L175	38	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L176	3	726/1,2,22,25.ccls. and	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19

		(external$5 or third party) and (security) and (commercial near data) and reputation					10:45 PM
L177	115	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/19 10:45 PM
L178	8	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:19 PM
L179	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:19 PM
L180	21	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/02/22 11:20 PM
L181	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L180	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM
L182	237	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM
L183	67	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM

		G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L184	115	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 11:20 PM
L186	72	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L187	117	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L188	0	L186 and L187	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L189	241	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:54 PM
L190	0	L186 and L188	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L191	0	L186 and L189	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L192	33676	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L193	8	L187 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28

							11:55 PM
L194	53	L189 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/05/28 11:55 PM
L195	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L196	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L197	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L198	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L199	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L200	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L201	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L202	37	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L203	31	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L204	41	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L205	3	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L206	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L207	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L208	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L209	25	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L210	10	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L211	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L212	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L213	0	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L214	0	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L215	143	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L216	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L217	5473	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L218	66	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L219	124	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L220	58	L219 not L218	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L221	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L222	0	L219 and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L223	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L224	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L225	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L226	0	L221 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L227	0	L221 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L228	0	L221 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L229	0	L221 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L230	0	L221 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L231	7	L221 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L232	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L233	24	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25

		party) with audit$4)and reputation and (proprietary information)					01:43 AM
L234	226	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L235	420	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L236	400	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L237	258	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L238	0	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L239	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L240	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L241	4	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L242	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L243	44	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L244	21	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L245	37	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L246	1415	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L247	525	L246 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L248	202	L247 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L249	209	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L250	195	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L251	15	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L252	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L253	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L254	472	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L255	260	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L256	9	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L257	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L258	6	L257 not L256	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L259	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L260	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L261	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L262	4410	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L263	1061	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L264	19092	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L265	120	L263 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L266	640	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		or rating)					
L267	55	L266 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L268	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L269	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L270	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L271	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L272	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L273	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L274	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L275	37	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L276	31	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L277	41	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L278	3	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L279	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L280	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L281	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L282	25	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L283	10	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L284	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L285	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L286	0	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L287	0	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L288	143	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L289	1	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L290	5473	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L291	66	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L292	124	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L293	58	L292 not L291	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L294	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L295	0	L292 and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L296	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L297	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L298	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L299	0	L294 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L300	0	L294 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L301	0	L294 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L302	0	L294 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L303	0	L294 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L304	7	L294 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L305	31	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L306	2	726/1,2,22,25.ccls. and ((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		party) with audit$4)and reputation and (proprietary information)					
L307	24	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L308	226	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L309	420	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L310	400	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L311	258	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L312	0	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L313	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L314	4	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L315	4	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L316	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L317	44	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L318	21	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L319	37	(network near3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25

		assessment) with external$3					01:43 AM
L320	1415	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L321	525	L320 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L322	202	L321 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L323	209	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L324	195	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L325	15	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L326	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L327	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L328	472	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L329	260	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L330	9	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L331	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L332	6	L331 not L330	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L333	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L334	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L335	4410	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L336	1061	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L337	19092	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L338	120	L336 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L339	640	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		or rating)					
L340	55	L339 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L341	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L342	15	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L343	31	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L344	23	L343 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L345	84	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L346	36016	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L347	484	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L348	129	L347 and L346	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L349	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L350	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2015/09/25 01:43 AM
L351	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L352	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L353	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L354	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L355	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L356	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L357	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L358	37	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L359	31	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L360	41	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L361	3	726/1,2,22,25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		party) and (security) and (commercial near data) and reputation					
L362	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L363	10	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L364	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L365	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2015/09/25 01:43 AM
L366	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L365	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L367	260	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L368	84	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

		G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L369	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L370	84	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L371	118	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L372	0	L370 and L371	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L373	258	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L374	0	L370 and L372	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L375	0	L370 and L373	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L376	36016	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L377	8	L371 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM

L378	59	L373 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
L386	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:27 AM
L387	0	L386 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:27 AM
L388	3538	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:28 AM
L389	12	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:28 AM
L390	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L391	72	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L392	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L393	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:35 AM
L394	260	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:36 AM
L395	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:36 AM
L396	0	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:36 AM
L397	92	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:37 AM

		(external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L398	0	((orginazation or company or bank$3) near3 resilien$3) and L397	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:37 AM
L399	432	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:38 AM
L400	0	((orginazation or company or bank$3) near3 resilien$3) and L399	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:38 AM
L401	19584	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/03/07 10:39 AM
L402	0	((orginazation or company or bank$3) near3 resilien$3) and L401	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:39 AM
L403	4	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/03/07 10:39 AM
L405	0	"15089375"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L406	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L407	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L408	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L409	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L410	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L411	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L412	7	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		detection with compliance with assessment					
L413	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L414	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L415	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L416	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L417	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L418	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L419	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L420	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L421	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L422	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L423	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L424	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L425	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L426	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L427	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L428	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:54 AM
L429	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L430	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L431	69	L430 not L429	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L432	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L433	0	L430 and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L434	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L435	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L436	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432					10:54 AM
L437	0	L432 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L438	0	L432 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L439	0	L432 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L440	0	L432 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L441	0	L432 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L442	7	L432 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L443	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L444	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L445	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L446	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L447	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L448	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L449	1	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		sources					
L450	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L451	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L452	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L453	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L454	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L455	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L456	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L457	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L458	551	L457 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L459	206	L458 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L460	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L461	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L462	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L463	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L464	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L465	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L466	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L467	10	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L468	19	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		public with secur$5					
L469	9	L468 not L467	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L470	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L471	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L472	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L473	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L474	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L475	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L476	128	L474 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L477	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L478	61	L477 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L479	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L480	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L481	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L482	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L483	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L484	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L485	7	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		vulnerability with detection with compliance with assessment					10:54 AM
L486	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L487	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L488	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L489	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L490	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L491	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L492	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L493	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L494	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L495	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L496	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L497	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L498	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L499	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L500	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L501	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:54 AM
L502	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L503	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L504	69	L503 not L502	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L505	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L506	0	L503 and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L507	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L508	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L509	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505					10:54 AM
L510	0	L505 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L511	0	L505 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L512	0	L505 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L513	0	L505 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L514	0	L505 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L515	7	L505 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L516	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L517	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L518	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L519	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L520	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L521	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L522	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L523	1	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources					10:54 AM
L524	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L525	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L526	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L527	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L528	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L529	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L530	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L531	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L532	551	L531 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L533	206	L532 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L534	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L535	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L536	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L537	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L538	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L539	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L540	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L541	10	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L542	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L543	9	L542 not L541	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L544	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L545	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L546	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L547	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L548	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L549	128	L547 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L550	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L551	61	L550 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L552	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L553	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L554	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L555	25	L554 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L556	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L557	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L558	542	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L559	154	L558 and L557	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L560	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L561	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:54 AM
L562	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L563	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L564	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L565	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L566	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L567	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L568	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L569	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L570	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L571	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L572	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L573	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L574	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L575	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L576	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM

		20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L577	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L576	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L578	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L579	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L580	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L581	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L582	127	(external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		data) and reputation					
L583	1	L581 and L582	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L584	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L585	1	L581 and L583	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L586	5	L581 and L584	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L587	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L588	12	L582 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L589	73	L584 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L590	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L591	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L592	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L593	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L594	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L595	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L596	7	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		detection with compliance with assessment					
L597	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L598	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L599	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L600	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L601	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L602	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L603	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L604	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L605	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L606	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L607	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L608	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L609	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L610	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L611	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L612	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L613	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L614	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L615	69	L614 not L613	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L616	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L617	0	L614 and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L618	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L619	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L620	0	(industry reports or internet monitoring or	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616					
L621	0	L616 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L622	0	L616 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L623	0	L616 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L624	0	L616 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L625	0	L616 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L626	7	L616 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L627	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L628	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L629	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L630	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L631	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L632	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L633	1	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L634	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L635	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L636	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L637	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L638	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L639	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L640	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L641	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L642	551	L641 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L643	206	L642 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L644	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L645	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L646	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L647	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L648	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L649	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L650	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L651	10	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L652	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L653	9	L652 not L651	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L654	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L655	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L656	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L657	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L658	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L659	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L660	128	L658 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L661	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L662	61	L661 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L663	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L664	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L665	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L666	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L667	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L668	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L669	7	network with vulnerability with detection with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		compliance with assessment					
L670	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L671	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L672	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L673	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L674	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L675	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L676	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L677	27	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L678	12	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L679	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L680	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L681	1	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L682	1	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L683	160	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L684	2	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L685	6249	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

L686	75	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L687	144	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L688	69	L687 not L686	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L689	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L690	0	L687 and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L691	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L692	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L693	0	(industry reports or internet monitoring or news article or court	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		record) and (renesys or propriety data or arbor networks or user behavior) and L689					
L694	0	L689 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L695	0	L689 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L696	0	L689 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L697	0	L689 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L698	0	L689 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L699	7	L689 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:54 AM
L700	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L701	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L702	25	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L703	253	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L704	492	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L705	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L706	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L707	1	((external$5 or third party) with (audit$4 or observ$5)) and	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		reputation and security and rat$3 and commercial data sources					
L708	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L709	6	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L710	5	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L711	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L712	53	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L713	24	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L714	47	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L715	1501	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L716	551	L715 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L717	206	L716 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L718	236	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L719	221	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L720	18	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L721	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L722	3	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L723	516	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L724	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L725	10	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

		public with security					
L726	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L727	9	L726 not L725	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L728	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L729	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L730	4952	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L731	1215	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L732	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
L733	128	L731 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L734	727	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L735	61	L734 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L736	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L737	19	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L738	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L739	25	L738 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L740	104	((H04L63/20 OR H04L63/145 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM

		H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L741	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L742	542	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L743	154	L742 and L741	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L744	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L745	0	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L746	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L747	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L748	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L749	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L750	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L751	0	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM

		detection with compliance with assesment					
L752	7	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L753	41	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L754	35	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L755	49	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L756	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L757	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L758	12	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L759	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L760	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2016/08/08 10:55 AM

		OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L761	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L760	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L762	297	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L763	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L764	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L765	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L766	127	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L767	1	L765 and L766	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08

							10:55 AM
L768	293	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L769	1	L765 and L767	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L770	5	L765 and L768	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L771	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L772	12	L766 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L773	73	L768 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L774	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L775	0	L774 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L776	3720	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L777	12	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L778	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L779	75	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L780	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L781	1	((orginazation or	(US-PGPUB; USPAT;	ADJ	ON	ON	2016/08/08

		company or bank$3) near3 resilien$3) with report$3	USOCR)				10:55 AM
L782	265	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L783	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L784	0	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L785	104	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L786	0	((orginazation or company or bank$3) near3 resilien$3) and L785	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L787	464	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L788	0	((orginazation or company or bank$3) near3 resilien$3) and L787	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L789	20067	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
L790	0	((orginazation or company or bank$3) near3 resilien$3) and L789	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L791	4	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 10:55 AM
L792	135	graph with node with	(US-PGPUB; USPAT;	ADJ	ON	ON	2016/08/08

		business with relationship	USOCR)				11:25 AM
L793	0	L792 and L763	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 11:25 AM
L794	43185	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 11:26 AM
L795	21	L792 and L794	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2016/08/08 11:26 AM
L811	12	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/09/05 10:34 PM
L812	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/09/05 10:52 PM
L813	3	L811 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/09/05 10:53 PM
L815	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:13 AM
L816	12	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L817	3	L816 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM

		705/7.39).CCLS.)					
L818	125	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L819	133	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L820	10	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:39 AM
L821	24	(resilien$3) with (malicious or vulnerability) with (duration or time)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:41 AM
L822	160	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:50 AM
L823	82	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2017/02/07 05:50 AM
L825	692	resilien$3 with duration	(US-PGPUB; USPAT)	ADJ	ON	ON	2018/03/20 11:31 AM
L826	4	resilien$3 with duration with (vulnerability or down)	(US-PGPUB; USPAT)	ADJ	ON	ON	2018/03/20 11:31 AM
L827	93	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:13 AM
L828	46	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:20 AM

L829	168930	(H04L63/1433 OR G06Q10/0639 OR H04L43/062 OR H04L43/0876 OR H04L61/5007 OR H04L67/53 OR H04L63/145).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/28 12:41 AM
L830	2	"17069151"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/28 12:44 AM
L831	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L832	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L833	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L834	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L835	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L836	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L837	21	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		vulnerability with detection with compliance with assessment					01:10 AM
L838	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L839	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L840	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L841	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L842	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L843	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L844	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L845	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L846	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L847	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L848	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L849	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L850	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L851	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L852	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L853	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L854	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L855	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L856	127	L25 not L24	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L857	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L858	0	L25 and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L859	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L860	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L861	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L27					01:10 AM
L862	0	L27 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L863	0	L27 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L864	0	L27 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L865	0	L27 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L866	0	L27 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L867	7	L27 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L868	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L869	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L870	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L871	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L872	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L873	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L874	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		sources					
L875	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L876	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L877	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L878	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L879	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L880	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L881	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L882	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L883	689	L54 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L884	270	L55 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L885	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L886	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L887	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L888	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L889	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L890	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L891	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L892	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L893	57	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		public with secur$5					
L894	22	L66 not L65	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L895	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L896	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L897	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L898	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L899	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L900	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L901	129	L73 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L902	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L903	62	L76 and L74	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L904	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L905	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L906	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L907	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L908	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L909	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L910	21	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		vulnerability with detection with compliance with assessment					01:10 AM
L911	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L912	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L913	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L914	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L915	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L916	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L917	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L918	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L919	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L920	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L921	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L922	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L923	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L924	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L925	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L926	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L927	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L928	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L929	127	L102 not L101	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L930	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L931	0	L102 and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L932	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L933	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L934	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L104					01:10 AM
L935	0	L104 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L936	0	L104 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L937	0	L104 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L938	0	L104 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L939	0	L104 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L940	7	L104 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L941	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L942	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L943	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L944	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L945	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L946	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L947	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L948	5	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources					01:10 AM
L949	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L950	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L951	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L952	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L953	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L954	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L955	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L956	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L957	689	L130 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L958	270	L131 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L959	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L960	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L961	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L962	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L963	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L964	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L965	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L966	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L967	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L968	22	L141 not L140	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L969	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L970	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L971	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L972	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L973	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L974	129	L147 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L975	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L976	62	L150 and L148	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L977	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L978	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L979	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L980	24	L156 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L981	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L982	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L983	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L984	238	L160 and L159	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L985	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L986	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L987	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L988	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L989	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L990	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L991	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L992	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L993	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L994	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L995	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L996	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L997	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L998	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L999	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1000	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1001	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1002	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L180	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1003	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1004	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1005	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1006	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1007	241	(external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		data) and reputation					
L1008	5	L186 and L187	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1009	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1010	5	L186 and L188	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1011	17	L186 and L189	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1012	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1013	56	L187 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1014	273	L189 and L192	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1015	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1016	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1017	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1018	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1019	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1020	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1021	21	network with vulnerability with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		detection with compliance with assessment					
L1022	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1023	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1024	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1025	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1026	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1027	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1028	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1029	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1030	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1031	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1032	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1033	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1034	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1035	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1036	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1037	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1038	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1039	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1040	127	L219 not L218	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1041	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1042	0	L219 and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1043	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1044	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1045	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L221					01:10 AM
L1046	0	L221 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1047	0	L221 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1048	0	L221 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1049	0	L221 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1050	0	L221 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1051	7	L221 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1052	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1053	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1054	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1055	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1056	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1057	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1058	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		sources					
L1059	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1060	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1061	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1062	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1063	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1064	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1065	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1066	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1067	689	L246 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1068	270	L247 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1069	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1070	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1071	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1072	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1073	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1074	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1075	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1076	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1077	57	network (reputation or assess$4 or rat$3) with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		public with secur$5					
L1078	22	L257 not L256	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1079	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1080	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1081	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1082	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1083	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1084	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1085	129	L263 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1086	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1087	62	L266 and L264	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1088	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1089	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1090	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1091	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1092	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1093	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1094	21	network with	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		vulnerability with detection with compliance with assessment					01:10 AM
L1095	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1096	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1097	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1098	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1099	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1100	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1101	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1102	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1103	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1104	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1105	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1106	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1107	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1108	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1109	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1110	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1111	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1112	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1113	127	L292 not L291	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1114	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1115	0	L292 and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1116	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1117	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1118	0	(industry reports or	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L294					01:10 AM
L1119	0	L294 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1120	0	L294 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1121	0	L294 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1122	0	L294 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1123	0	L294 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1124	7	L294 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1125	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1126	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1127	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1128	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1129	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1130	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1131	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1132	5	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources					01:10 AM
L1133	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1134	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1135	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1136	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1137	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1138	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1139	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1140	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1141	689	L320 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1142	270	L321 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1143	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1144	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1145	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1146	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1147	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1148	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1149	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1150	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1151	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1152	22	L331 not L330	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1153	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1154	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1155	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1156	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1157	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1158	129	L336 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1159	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1160	62	L339 and L337	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1161	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1162	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1163	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1164	24	L343 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1165	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1166	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1167	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1168	238	L347 and L346	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1169	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1170	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1171	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1172	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1173	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1174	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1175	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1176	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1177	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1178	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1179	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1180	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1181	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1182	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1183	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1184	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1185	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1186	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L365	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1187	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1188	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1189	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1190	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1191	241	(external$5 or third party) and (security) and (commercial near	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		data) and reputation					
L1192	5	L370 and L371	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1193	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1194	5	L370 and L372	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1195	17	L370 and L373	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1196	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1197	56	L371 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1198	273	L373 and L376	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1199	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1200	0	L386 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1201	6800	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1202	32	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1203	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1204	80	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1205	1	((orginazation or company) near3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM

		resilien$3) with report$3					
L1206	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1207	281	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1208	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1209	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1210	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1211	0	((orginazation or company or bank$3) near3 resilien$3) and L397	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1212	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1213	1	((orginazation or company or bank$3) near3 resilien$3) and L399	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1214	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1215	0	((orginazation or company or bank$3) near3 resilien$3) and L401	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1216	7	((orginazation or company or bank$3) near3 resilien$3) and	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM

		reputation					
L1217	2	"15089375"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1218	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1219	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1220	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1221	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1222	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1223	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1224	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1225	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1226	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1227	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1228	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1229	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1230	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1231	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1232	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1233	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1234	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1235	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1236	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1237	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1238	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1239	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1240	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1241	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1242	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1243	127	L430 not L429	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1244	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1245	0	L430 and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1246	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1247	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1248	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L432	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1249	0	L432 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1250	0	L432 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1251	0	L432 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1252	0	L432 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1253	0	L432 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1254	7	L432 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1255	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1256	59	((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with audit$4)and reputation and (proprietary information)					01:10 AM
L1257	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1258	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1259	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1260	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1261	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1262	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1263	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1264	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1265	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1266	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1267	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1268	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1269	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1270	689	L457 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1271	270	L458 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1272	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1273	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1274	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1275	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1276	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1277	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1278	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1279	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1280	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1281	22	L468 not L467	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1282	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1283	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1284	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1285	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1286	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1287	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1288	129	L474 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1289	1406	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		or rating)					
L1290	62	L477 and L475	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1291	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1292	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1293	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1294	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1295	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1296	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1297	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1298	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1299	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1300	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1301	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1302	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1303	0	(external$5 or third party) with (security) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1304	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1305	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1306	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1307	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1308	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1309	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1310	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1311	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1312	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1313	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1314	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1315	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1316	127	L503 not L502	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1317	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1318	0	L503 and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1319	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1320	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1321	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L505	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1322	0	L505 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1323	0	L505 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1324	0	L505 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1325	0	L505 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1326	0	L505 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1327	7	L505 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1328	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1329	2	726/1,2,22,25.ccls. and ((external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		party) with audit$4)and reputation and (proprietary information)					
L1330	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1331	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1332	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1333	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1334	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1335	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1336	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1337	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1338	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1339	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1340	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1341	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1342	129	(network near3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		assessment) with external$3					01:10 AM
L1343	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1344	689	L531 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1345	270	L532 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1346	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1347	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1348	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1349	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1350	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1351	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1352	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1353	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1354	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1355	22	L542 not L541	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1356	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1357	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1358	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1359	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1360	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1361	129	L547 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1362	1406	(organization or company) same reputation same (score	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		or rating)					
L1363	62	L550 and L548	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1364	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1365	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1366	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1367	24	L554 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1368	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1369	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1370	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1371	238	L558 and L557	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1372	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1373	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1374	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1375	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1376	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1377	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1378	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1379	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1380	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1381	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1382	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1383	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1384	6	726/1,2,22,25.ccls. and (external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		party) and (security) and (commercial near data) and reputation					
L1385	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1386	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1387	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1388	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1389	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L576	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1390	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1391	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)					
L1392	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1393	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1394	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1395	5	L581 and L582	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1396	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1397	5	L581 and L583	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1398	17	L581 and L584	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1399	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1400	56	L582 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1401	273	L584 and L587	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1402	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1403	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1404	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1405	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1406	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1407	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1408	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1409	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1410	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1411	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1412	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1413	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1414	0	(external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (security) with (commercial near data) with reputation					01:10 AM
L1415	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1416	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1417	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1418	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1419	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1420	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1421	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1422	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1423	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1424	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1425	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1426	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1427	127	L614 not L613	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1428	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1429	0	L614 and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1430	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1431	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1432	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L616	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1433	0	L616 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1434	0	L616 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1435	0	L616 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1436	0	L616 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1437	0	L616 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1438	7	L616 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1439	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1440	59	((external$5 or third party) with audit$4)and	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		reputation and (proprietary information)					
L1441	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1442	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1443	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1444	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1445	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1446	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1447	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1448	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1449	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1450	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1451	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1452	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1453	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1454	689	L641 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1455	270	L642 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1456	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1457	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1458	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1459	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1460	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1461	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1462	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1463	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1464	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1465	22	L652 not L651	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1466	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1467	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1468	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1469	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1470	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1471	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1472	129	L658 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1473	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1474	62	L661 and L659	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1475	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1476	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1477	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1478	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1479	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1480	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1481	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1482	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1483	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1484	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1485	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1486	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1487	0	(external$5 or third	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

		party) with (security) with (commercial near data) with reputation					01:10 AM
L1488	0	(external$5 or third party) with (commercial near data) with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1489	43	internet monitoring with report	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1490	25	internet monitoring with report and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1491	0	malwareurl	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1492	0	malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1493	5	www$malwareurl$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1494	5	www$malwareurl$com	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1495	333	arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1496	6	arbor networks and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1497	13448	reputation and domain	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1498	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1499	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1500	127	L687 not L686	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1501	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM

		$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.					
L1502	0	L687 and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1503	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1504	0	(industry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1505	0	(industry reports or internet monitoring or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L689	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1506	0	L689 and user behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1507	0	L689 and behavior	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1508	0	L689 and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1509	0	L689 and public with features	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1510	0	L689 and externally	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1511	7	L689 and external	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1512	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1513	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		reputation and (proprietary information)					
L1514	59	((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1515	791	((external$5 or third party) with audit$4)and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1516	1507	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1517	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1518	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1519	5	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data sources	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1520	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1521	11	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rating and commercial data	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1522	12	security and renesys	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1523	1	abor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1524	175	(network near3 vulnerability) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1525	32	(network near3 assessment) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1526	129	(network near3 assessment) with external$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1527	1878	site secure	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1528	689	L715 and third party	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1529	270	L716 and assess$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1530	354	network reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1531	330	network reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1532	20	network reputation with (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1533	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1534	4	network reputation with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1535	1781	network (reputation or assess$4 or rat$3) with public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1536	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1537	35	network (reputation or assess$4 or rat$3) with public with security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1538	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1539	22	L726 not L725	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1540	2	"20040250122"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1541	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1542	9773	(organization or company or entity) same reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1543	2518	(organization or company or entity) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1544	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1545	129	L731 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1546	1406	(organization or company) same reputation same (score or rating)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1547	62	L734 and L732	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28

							01:10 AM
L1548	2	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation and (proprietary information)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1549	57	network (reputation or assess$4 or rat$3) with public with secur$5	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1550	36	726/1,2,22,25.ccls. and ((external$5 or third party) with audit$4)and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1551	24	L738 AND ((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1552	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1553	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1554	887	(network or organization or entity) reputation and (rat$3 or assess$4)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1555	238	L742 and L741	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1556	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1557	1	"11237642"	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1558	7	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1559	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1560	0	apparatus and method for network vulnerability detection and compliance	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1561	0	network vulnerability detection and compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1562	0	network vulnerability detection compliance assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1563	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1564	21	network with vulnerability with detection with compliance with assessment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1565	42	726/2,22,25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1566	34	726/2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1567	46	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1568	6	726/1,2,22,25.ccls. and (external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1569	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1570	13	726/25.ccls. and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1571	0	network with vulnerability with detection with compliance with assesment	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1572	20	US-7194769-$.DID. OR US-7290275-$.DID. OR US-7971252-$.DID. OR US-20040010709-$.DID. OR US-20050138413-$.DID. OR US-20080047018-$.DID. OR US-20080209565-$.DID. OR US-20090265787-$.DID. OR US-20090293128-$.DID. OR US-2007304-$.DID. OR US-5200596-$.DID. OR US-2009104-$.DID. OR US-422009D-$.DID. OR US-1331018-$.DID.	(US-PGPUB; USPAT; USOCR; EPO; DERWENT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1573	0	(insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior) and L760	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1574	1418	network (reputation or assess$4 or rat$3) with public and security	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1575	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		and (WGET or RSYNC or CURL)					
L1576	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1577	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1578	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1579	5	L765 and L766	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1580	813	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3 and commercial	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1581	5	L765 and L767	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1582	17	L765 and L768	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1583	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1584	56	L766 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1585	273	L768 and L771	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1586	9	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1587	0	L774 and resilie$4	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1588	6800	(network or orginazation) near3 resilien$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1589	32	((network or orginazation) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1590	0	((orginazation) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1591	80	((orginazation or company) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1592	1	((orginazation or company) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1593	1	((orginazation or company or bank$3) near3 resilien$3) with report$3	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1594	281	((orginazation or company or bank$3) near3 resilien$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1595	1	((orginazation or company or bank$3) near3 resilien$3) with (bounce)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1596	1	((orginazation or company or bank$3) near3 resilien$3) with (recover$3)	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1597	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		and (WGET or RSYNC or CURL)					
L1598	0	((orginazation or company or bank$3) near3 resilien$3) and L785	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1599	1410	((external$5 or third party) with (audit$4 or observ$5)) and reputation and security and rat$3	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1600	1	((orginazation or company or bank$3) near3 resilien$3) and L787	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1601	20201	726/1,2,22,25.ccls.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1602	0	((orginazation or company or bank$3) near3 resilien$3) and L789	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1603	7	((orginazation or company or bank$3) near3 resilien$3) and reputation	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1604	327	graph with node with business with relationship	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1605	0	L792 and L763	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1606	89362	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1607	39	L792 and L794	(US-PGPUB; USPAT; USOCR)	ADJ	ON	ON	2022/10/28 01:10 AM
L1608	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1609	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

		$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.					
L1610	3	L811 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1611	12	(US-20040193918-$ or US-20050080720-$ or US-20040221296-$ or US-20050108415-$ or US-20040250122-$ or US-20080091834-$ or US-20120253890-$ or US-20140019196-$).did. or (US-5867799-$ or US-6016475-$ or US-7100195-$ or US-7748038-$).did.	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1612	22	portfolio with business with reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1613	3	L816 AND ((705/26.7 OR 705/38 OR 705/7.28 OR 705/7.29 OR 705/7.33 OR 705/7.39).CCLS.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1614	372	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.) and (external$5 or third party) and (security) and (WGET or RSYNC or CURL)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1615	241	(external$5 or third party) and (security) and (commercial near data) and reputation	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1616	12	network reputation with (rat$3 or assess$4) and public	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1617	77	(resilien$3) with (malicious or vulnerability) with (duration or time)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM

L1618	342	reputation and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1619	215	reputation and domain and (insustry reports or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks or user behavior)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1620	947	resilien$3 with duration	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1621	7	resilien$3 with duration with (vulnerability or down)	(US-PGPUB; USPAT)	ADJ	ON	ON	2022/10/28 01:10 AM
L1622	104	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2022/10/28 01:10 AM
L1623	56	(network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2022/10/28 01:10 AM
L1624	168930	(H04L63/1433 OR G06Q10/0639 OR H04L43/062 OR H04L43/0876 OR H04L61/5007 OR H04L67/53 OR H04L63/145).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	ADJ	ON	ON	2022/10/28 01:10 AM
L1625	2	"17069151"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK,	ADJ	ON	ON	2022/10/28 01:10 AM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N50	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2013/04/18 09:53 AM
N71	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/03 09:14 AM
N152	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:15 PM
N153	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2014/06/04 03:16 PM
N164	1	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/18 09:54 AM
N165	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/18 10:00 AM
N185	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/02/22 10:25 PM
N379	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N380	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N381	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N382	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N383	1	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N384	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N385	0	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2015/09/25 01:43 AM
N404	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2016/03/07 10:27 AM
N796	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N797	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N798	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N799	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N800	0	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N801	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM

N802	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:54 AM
N803	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N804	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N805	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N806	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N807	0	"11237642"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N808	1	"11368329"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N809	1	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2016/08/08 10:55 AM
N810	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2016/08/08 10:55 AM
N814	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2016/09/05 10:52 PM
N824	1	(US-20060212925-$).did.	(US-PGPUB)	ADJ	ON	ON	2017/02/07 05:13 AM
N829	5	"13240572"	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:13 AM
N830	80755	((H04L63/20 OR H04L63/145 OR H04L67/306 OR H04L63/14 OR H04L51/12 OR H04L61/1511 OR H04L63/0236 OR H04L63/104 OR H04L63/1433 OR H04L9/321 OR G06F21/577 OR G06F21/00).CPC.)	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:13 AM
N831	93	(resilien$3 duration (vulnerability or down)).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:13 AM
N832	562	((orginazation or company or bank$3) resilien$3).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:14 AM
N833	0	((external$5 or third party) (security) and (commercial data) and reputation).clm.	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:14 AM
N834	0	(reputation and ((insustry reports) or internet monitoring web site or news article or court record) and (renesys or propriety data or arbor networks	(US-PGPUB; USPAT)	ADJ	ON	ON	2020/05/26 11:15 AM

N835	46	or user behavior)).clm. (network reputation (rat$3 or assess$4) and public).clm.	(US-PGPUB; USPAT)	AND	ON	ON	2020/05/26 11:20 AM

Patents (~patent/US20210211454A1)

~patent/US20210211454A1;

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Event specific relationship graph generation and application in a machine data ...

US · US20170214708A1 · Sudhakar Muddu · Splunk Inc.
Priority 2015-08-31 · Filed 2017-01-27 · Published 2017-05-18



Similar A security platform employs a variety techniques and mechanisms to detect security related anomalies and threats in a computer network environment. The security platform is "big data" driven and employs machine learning to perform security analytics. The security platform performs user/entity ...

Systems and methods for enhancing electronic communication security

EP US JP AU · AU2009268035B2 · Paul Judge · Mcafee, Llc
Priority 2002-03-08 · Filed 2009-07-30 · Granted 2012-07-12 · Published 2012-07-12

Similar Systems and methods for enhancing electronic communication security are provided. An electronic communication related to an application is received and stored. One or more 5 risk assessments are made with respect to the received communication thereby generating a risk profile associated with the ...

Automated behavioral and static analysis using an instrumented sandbox and ...

EP US IB · US20180025157A1 · Theodore H. Titonis · Veracode, Inc.
Priority 2011-09-16 · Filed 2017-05-16 · Published 2018-01-25



Similar The present system includes a computer-networked system that allows mobile subscribers, and others, to submit mobile applications to be analyzed for anomalous and malicious behavior using data acquired during the execution of the application within a highly instrumented and controlled environment ...

Systems and methods for orchestrating runtime operational integrity

WO US JP KR IL · US20150244735A1 · Srinivas Kumar · Tesera, Inc.
Priority 2012-05-01 · Filed 2015-02-16 · Published 2015-08-27



Similar Instrumented networks and platforms having target subjects (devices, transactions, services, users, organizations) are disclosed. A security orchestration service generates runtime operational integrity profiles representing and identifying a level of threat or contextual trustworthiness, at near ...

System and method to determine the validityof an interaction on a network

WO EP US CN JP KR AP AU CA BR ZA · US20170208084A1 · Stephan Bellon · Excalibur Ip, Llc
Priority 2000-02-14 · Filed 2017-01-17 · Published 2017-05-04



Similar A computer implemented method determines validity of web-based interactions. Web-based interaction data relating to a web-based interaction may be accessed. The web-based interaction data may include aggregate measure data that may include a number of unique queries per web-based session. The ...

System and method for automated policy audit and remediation management

WO EP US JP · US9609013B2 · John Leslie Williams · Mcafee, Inc.
Priority 2003-02-14 · Filed 2013-08-26 · Granted 2015-07-28 · Published 2015-07-28



Similar A prevention-based network auditing system includes a central compliance server providing a user interface allowing a user to schedule and configure a network audit. The configured audit is stored in an audit repository until its scheduled time. At such a time, the compliance server automatically ...

Advanced cybersecurity threat mitigation for inter-bank financial transactions

US · US10432661B2 · Jason Crabtree · Qomplx, Inc.
Priority 2015-10-28 · Filed 2017-09-06 · Granted 2019-10-01 · Published 2019-10-01



Similar A system for mitigation of cyberattacks employing an advanced cyber decision platform comprising a time series data store, a directed computational graph module, an action outcome simulation module, and observation and state estimation module, wherein the state of a network is monitored and used ...

Consent receipt management systems and related methods

US · US20190215344A1 · Kator A. Barday · One Trust, LLC
Priority 2016-06-10 · Filed 2019-02-15 · Published 2019-07-11



Similar A consent receipt management system may, for example, be configured to track data on behalf of an entity that collects and/or processes persona data related to: (1) who consented to the processing or collection of personal data; (2) when the consent was given (e.g., a date and time); (3) what ...

System and method for predicting impending cyber security events using multi ...

WO US · US9609026B2 · Alonzo Ellis · Bluvault, Inc.
Priority 2014-03-28 · Filed 2015-03-30 · Granted 2017-03-21 · Published 2017-03-21

Similar Multi channel distributed behavioral analysis architecture provides a software solution to the major operational challenges faced with providing an early warning system for impending cyber security events. Most cyber security events are premeditated. However, many current cyber security defense ...

Black Kite Ex. 1002, Page 475 of 651



System and method for identifying and preventing malicious api attacks

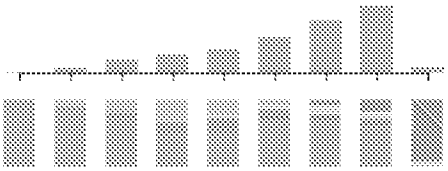


WO US • US20180324208A1 • Roey Eliyahu • Cequr, Inc.
Priority 2015-04-13 • Filed 2017-11-22 • Published 2018-11-08

Similar A system and method for identifying and preventing malicious application programming interface attacks is configured to, during a learning stage: monitor all requests sent to and from the server API; identify one or more first characteristic data points of each request and response sent during the ...

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Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
International Business Machines Corporation		
Bank Of America Corporation		2
Microsoft Technology Licensing, Llc		
OneTrust, LLC		1
Symantec Corporation		1

Expand

Bibliographic Data

Application No: 17/069,151

Foreign Priority claimed: ○ Yes ◉ No

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

Verified and Acknowledged: /SIMON P KANAAN/ Examiner's Signature | Initials

Title: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

FILING or 371(c) DATE	CLASS	GROUP ART UNIT	ATTORNEY DOCKET NO.
10/13/2020	726	2492	BST-004C2
RULE			

APPLICANTS

BitSight Technologies, Inc., Boston, MA, UNITED STATES

INVENTORS

Stephen Wayne Boyer, Waltham, MA, UNITED STATES

Nagarjuna Venna, Waltham, MA, UNITED STATES

Megumi Ando, Cambridge, MA, UNITED STATES

CONTINUING DATA

This application is a CON of 13240572 09/22/2011 PAT 10805331

13240572 has PRO of 61492287 06/01/2011

13240572 has PRO of 61386156 09/24/2010

FOREIGN APPLICATIONS

IF REQUIRED, FOREIGN LICENSE GRANTED**

10/29/2020

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PATENT ADMINISTRATOR
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BOSTON, MA 02210
UNITED STATES

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Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Boyer et al.

Application No.: 17/069,151 Confirmation No.: 3411

Filed: October 13, 2020 Art Unit: 2492

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM Examiner: Not Yet Assigned

Submitted via EFS-Web

INFORMATION DISCLOSURE STATEMENT (IDS)

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)).

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted. Submitted herewith are copies of non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.98(d)(1) and as noted by a double-asterisk next to the Cite No. on the attached PTO/SB/08, the following references are not supplied because they were previously cited by or submitted to the Office in prior application numbers 14/944484 filed November 18, 2015 and 13/240572 filed September 22, 2011 and relied on in the above-identified application for an earlier effective filing date under 35 U.S.C. § 120.

All References Considered Except Where Lined Through. /S.P.K/

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Applicant hereby apprises the Examiner of the following patent applications, including the contents of the file wrappers, the claims, any Office Actions issued therein, and any Notices of Allowance issued therefor:

Docket No.	**U.S. Serial No.:**	**Title**	**Filing Date**
BST-001	15/271655 Published as: US2018/0083999	SELF-PUBLISHED SECURITY RISK MANAGEMENT	September 21, 2016
BST-002	15/377,574 9,705,932	METHODS AND SYSTEMS FOR CREATING, DE-DUPLICATING, AND ACCESSING DATA USING AN OBJECT STORAGE SYSTEM	December 13, 2016
BST-003	14/021,585 9,438,615 Published as: US2015/0074579	SECURITY RISK MANAGEMENT	September 9, 2013
BST-003C1	15/216,955 Published as: US2016/0330231	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	July 22, 2016
BST-003C2	15/239,063 Published as: US2017/0093901	SECURITY RISK MANAGEMENT	August 17, 2016

All References Considered Except Where Lined Through. /S.P.K/

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-003C3	16/405,121 Published as: US2019/0260791	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	May 7, 2019
BST-003C4	17/025,930	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	September 18, 2020
BST-004	13/240,572 Published as: US2016/0205126	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	September 22, 2011
BST-004C1	14/944,484 9,973,524 Published as: US2016/0323308	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	November 18, 2015
BST-004C1CP	15/142,677 9,830,569 Published as: US/2016/0239772	SECURITY ASSESSMENT USING SERVICE PROVIDER DIGITAL ASSET INFORMATION	April 29, 2016
BST-007	15/134,845 9,680,858	ANNOTATION PLATFORM FOR A SECURITY RISK SYSTEM	April 21, 2016
BST-008	15/044,952 Published as: US2017/0236077	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	February 16, 2016
BST-008C2	15/089,375 10,176,445 Published as: US2017/0236079	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	April 1, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-009DA	29/598,298 D835,631	COMPUTER DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DB	29/598,299 D818,475	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DC	29/599,622	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-009DD	29/599,620	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-010	16/015,686	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	June 22, 2018
BST-010C1	16/543,075	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	August 16, 2019
BST-010C2	16/738,825	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 9, 2020
BST-010C3	17/146,064	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 11, 2021
BST-011	15/918,286	CORRELATED RISK IN CYBERSECURITY	March 12, 2018
BST-011C1	16/292,956	CORRELATED RISK IN CYBERSECURITY	May 5, 2019
BST-011C2	16/795,056	CORRELATED RISK IN CYBERSECURITY	February 19, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-011C3	17/179,630	CORRELATED RISK IN CYBERSECURITY	February 19, 2021
BST-012	16/170680	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	October 25, 2018
BST-012C1	16/688647	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	November 19, 2019
BST-012C2	17/000135	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	August 21, 2020
BST-013	15/954921	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	April 17, 2018
BST-013C1	17/014,495	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	September 8, 2020
BST-014	16/549764	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	August 23, 2019
BST-014C1	16/787650	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	February 11, 2020
BST-015	16/583,991	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	September 26, 2019
BST-015C1	17/085,550	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF	October 30, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
		WITH ENTITIES	
BST-016D	29/666942	COMPUTER DISPLAY WITH GRAPHICAL USER INTERFACE	October 17, 2018
BST-017	16/360,641	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	March 21, 2019
BST-018	16/514,771	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 17, 2019
BST-018C1	16/922,672	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 7, 2020
BST-018C2	17/307,577	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	May 4, 2021
BST-019D	29/677306	COMPUTER DISPLAY WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE COMPUTER DISPLAY WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE	January 18, 2019
BST-020	16/775840	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	January 29, 2020
BST-020C1	17/018,587	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	September 11, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-021D1	17/132,512	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	December 23, 2020
BST-021	16/779,437	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	January 31, 2020
BST-022	17/119822	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND MANAGEMENT	December 11, 2020
BST-023	16/802232	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	February 26, 2020
BST-023C1	16/942,452	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	July 29, 2020
BST-023DA	29/725724	COMPUTER DISPLAY WITH RISK VECTORS GRAPHICAL USER INTERFACE	February 26, 2020
BST-023DB	29/736,641	COMPUTER DISPLAY WITH PEER ANALYTICS GRAPHICAL USER INTERFACE	June 2, 2020
BST-024	17/039,675	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	September 30, 2020
BST-024C1	17/320,997	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	May 14, 2021
BST-026	16/884,607	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	May 27, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-026C1	17/236,594	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	April 21, 2021

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 07-1700, under Order No. BST-004C2 from which the undersigned is authorized to draw.

Dated: July 2, 2021

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

All References Considered Except Where Lined Through. /S.P.K/

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 33

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A2	US-6,016,475	01-18-2000	Miller et al.	
	A3	US-6,792,401	09-14-2004	Nigro et al.	
	A4	US-7,062,572	06-13-2006	Hampton	
	A5	US-7,100,195	08-29-2006	Underwood	
	A6	US-7,194,769	03-20-2007	Lippmann et al.	
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	B1**	WO-2017/142694-A1	01-31-2019	Securityscorecard, Inc		
	B2**	WO-2019/023045-A1	01-31-2019	Securityscorecard, Inc		

Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

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Sheet 2 of 33

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Attorney Docket Number	BST-004C2

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	A20	US-8,775,402	07-08-2014	Baskerville et al.	
	A21	US-8,825,662	09-02-2014	Kingman et al.	
	A22	US-9,053,210	06-09-2015	Elnikety et al.	
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	A24	US-9,241,252	01-19-2016	Dua et al.	
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	A26	US-9,294,498-B1	03-22-2016	Yampolskiy et al.	
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First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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Art Unit	2492
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Attorney Docket Number	BST-004C2

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	A70	US-2002/0133365-A1	09-19-2002	Grey et al.	
	A71	US-2002/0164983-A1	11-07-2002	Raviv et al.	
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	A73	US-2003/0123424-A1	07-03-2003	Jung	
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Sheet 5 of 33

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Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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	A93	US-2005/0131830-A1	06-16-2005	Juarez et al.	
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Attorney Docket Number	BST-004C2

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	A98	US-2006/0036335-A1	02-16-2006	Banter et al.	
	A99	US-2006/0107226-A1	05-18-2006	Matthews et al.	
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	A102	US-2006/0253581-A1	11-09-2006	Dixon et al.	
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Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

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Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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First Named Inventor	Stephen Boyer
Art Unit	2492
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Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3] Number[4] Kind Code[5] *(if known)*	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]

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Sheet	22	of	33

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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	C89**	PAIR transaction history, application as filed and pending claims for USSN 13/240,572 as of April 29, 2016, 46 pages.	
	C90**	PAIR transaction history, application as filed and pending claims for USSN 14/944,484 as of April 29, 2016, 4 pages.	

Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

*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] Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	31	of	33

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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.	T[2]
	C91**	Paxson, Vern, "How The Pursuit of Truth Led Me To Selling Viagra," EECS Department, University of California, International Computer Science Institute, Lawrence Berkeley National Laboratory, August 13, 2009, 68 pages.	
	C92**	Proposal and Award Policies and Procedures Guide, Part I - Proposal Preparation & Submission Guidelines GPG, The National Science Foundation, February 2009, 68 pages.	
	C93**	Provos et al., "The Ghost In the Browser Analysis of Web-based Malware", 2007 (9 pages).	
	C94**	Rare Events, October 2009, JASON, The MITRE Corporation, October 2009, 104 pages.	
	C95	Rees, L. P. et al., "Decision support for cybersecurity risk planning." Decision Support Systems 51.3 (2011): pp. 493-505.	
	C96**	Report to the Congress on Credit Scoring and Its Effects on the Availability and Affordability of Credit, Board of Governors of the Federal Reserve System, August 2007, 304 pages.	
	C97**	RFC 1834, https://tools.ietf.org/html/rfc1834, date accessed September 28, 2016, 7 pages.	
	C98**	RFC 781, https://tools.ietf.org/html/rfc781, date accessed September 28, 2016, 3 pages.	
	C99**	RFC 950, https://tools.ietf.org/html/rfc950, date accessed September 28, 2016, 19 pages.	
	C100**	RFC 954, https://tools.ietf.org/html/rfc954, date accessed September 28, 2016, 5 pages.	

Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

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	C101**	SamSpade Network Inquiry Utility, https://www.sans.org/reading-room/whitepapers/tools/sam-spade-934, date accessed September 28, 2016, 19 pages.	
	C102	Santos, J. R. et al., "A framework for linking cybersecurity metrics to the modeling of macroeconomic interdependencies." Risk Analysis: An International Journal (2007) 27.5, pp. 1283 - 1297.	
	C103**	SBIR Phase I: Enterprise Cyber Security Scoring, CyberAnalytix, LLC, http://www.nsf.gov/awardsearch/showAward. do?AwardNumber=I013603, April 28, 2010, 2 pages.	
	C104**	Search Query Report form IP.com (performed 04/27/2020).	
	C105**	Security Warrior, Cyrus Peikari, Anton, Chapter 8: Reconnaissance, 6 pages.	
	C106**	SEIGNEUR et al., A Survey of Trust and Risk Metrics for a BYOD Mobile Worker World: Third International Conference on Social Eco-Informatics, 2013, 11 pages"	
	C107	SENEVIRATNE et al., "SSIDs in the Wild: Extracting Semantic Information from WiFi SSIDs" HAL archives-ouvertes.fr, HAL Id: hal-01181254, 07/29/15, 5 pages.	
	C108**	Snort Intrusion Monitoring System, http://archive.oreilly.com/pub/h/1393, date accessed September 28, 2016, 3 pages.	
	C109**	Srivastava, Divesh; Velegrakis, Yannis. Using Queries to Associate Metadata with Data. IEEE 23rd International Conference on Data Engineering. Pub. Date: 2007. http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4221823, 3 pages.	
	C110**	Stone-Gross, Brett, et al., "FIRE: Finding Rogue Networks," 10 pages.	

Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

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	C111**	Taleb, Nassim N., et al., "The Six Mistakes Executives Make in Risk Management," Harvard Business Review, October 2009, 5 pages.	
	C112**	The CIS Security Metrics vl.0.0, The Center for Internet Security, May 11, 2009, 90 pages.	
	C113	The Dun & Bradstreet Corp. Stock Report, Standard & Poor's, June 6, 2009, 8 pages.	
	C114**	The Fair Credit Reporting Act (FCRA) of the Federal Trade Commission (FTC), July 30, 2004, 86 pages	
	C115**	The Financial Institution Shared Assessments Program, Industry Positioning and Mapping Document, BITS, October 2007, 44 pages.	
	C116**	WAGNER, et al., "Assessing the vulnerability of supply chains using graph theory," Int. J. Production Economics 126 (2010) 121-129.	
	C117**	Wikipedia, https://en.wikipedia.org/wiki/Crowdsourcing, date accessed September 28, 2016, 25 pages.	
	C118**	Williams, Leevar, et al., "An Interactive Attack Graph Cascade and Reachability Display," MIT Lincoln Laboratory, 17 pages.	
	C119**	Williams, Leevar, et al., "GARNET: A Graphical Attack Graph and Reachability Network Evaluation Tool," MIT Lincoln Library, VizSEC 2009, pp. 44-59.	

Examiner Signature	/SIMON P KANAAN/	Date Considered	10/28/2022

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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	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

As the below named inventor, I hereby declare that:

This declaration is directed to:

- [ ] The attached application, or
- [x] United States application or PCT international application number 17/069,151 filed on 10/13/2020 .

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:

Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.

LEGAL NAME OF INVENTOR

Inventor: Megumi Ando Date (Optional): 8/17/2021

Signature: / DocuSigned by: Megumi Ando C3E706388FC646E...

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.

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This declaration is directed to:

- [ ] The attached application, or
- [x] United States application or PCT international application number 17/069,151 filed on 10/13/2020 .

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

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LEGAL NAME OF INVENTOR

Inventor: Stephen Wayne Boyer Date (Optional): 8/15/2021

DocuSigned by:
Signature: / Stephen W. Boyer
[illegible]

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.

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This declaration is directed to:

- [ ] The attached application, or
- [x] United States application or PCT international application number 17/069,151 filed on 10/13/2020 .

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.

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LEGAL NAME OF INVENTOR

Inventor: Nagarjuna Venna Date (Optional): 8/11/2021

Signature: / DocuSigned by: Nagarjuna Venna 5A787411582DAC1...

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.

Electronic Acknowledgement Receipt

EFS ID:	43678760
Application Number:	17069151
International Application Number:	
Confirmation Number:	3411
Title of Invention:	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
First Named Inventor/Applicant Name:	Stephen Wayne Boyer
Customer Number:	51414
Filer:	Hunter Christian Malboeuf/Anna Beaulieu
Filer Authorized By:	Hunter Christian Malboeuf
Attorney Docket Number:	BST-004C2
Receipt Date:	03-SEP-2021
Filing Date:	13-OCT-2020
Time Stamp:	10:47:07
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Oath or Declaration filed	BST_004C2_DECS.pdf	171284 8fe38d0e623cba65aea3484edb45c11f5331b921	no	3

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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.

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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2

CONFIRMATION NO. 3411

51414
GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

PUBLICATION NOTICE



Title:INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

Publication No.US-2021-0211454-A1
Publication Date:07/08/2021

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.

In addition, information on the status of the application, including the mailing date of Office actions and the dates of receipt of correspondence filed in the Office, may also be accessed via the Internet through the Patent Electronic Business Center at www.uspto.gov using the public side of the Patent Application Information and Retrieval (PAIR) system. The direct link to access this status information is currently https://portal.uspto.gov/pair/PublicPair. Prior to publication, such status information is confidential and may only be obtained by applicant using the private side of PAIR.

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Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Boyer et al.

Application No.: 17/069,151 | Confirmation No.: 3411

Filed: October 13, 2020 | Art Unit: 2492

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM | Examiner: Not Yet Assigned

Submitted via EFS-Web

INFORMATION DISCLOSURE STATEMENT (IDS)

Pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98, the attention of the United States Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of the above-identified application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)).

In accordance with 37 C.F.R. § 1.98(a)(2)(ii), copies of U.S. patents and U.S. patent application publications are not submitted. Submitted herewith are copies of non-patent literature in accordance with 37 C.F.R. § 1.98(a)(2).

In accordance with 37 C.F.R. § 1.98(d)(1) and as noted by a double-asterisk next to the Cite No. on the attached PTO/SB/08, the following references are not supplied because they were previously cited by or submitted to the Office in prior application numbers 14/944484 filed November 18, 2015 and 13/240572 filed September 22, 2011 and relied on in the above-identified application for an earlier effective filing date under 35 U.S.C. § 120.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made. In accordance with 37 C.F.R. § 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in this Information Disclosure Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

Applicant hereby apprises the Examiner of the following patent applications, including the contents of the file wrappers, the claims, any Office Actions issued therein, and any Notices of Allowance issued therefor:

Docket No.	**U.S. Serial No.:**	**Title**	**Filing Date**
BST-001	15/271655 Published as: US2018/0083999	SELF-PUBLISHED SECURITY RISK MANAGEMENT	September 21, 2016
BST-002	15/377,574 9,705,932	METHODS AND SYSTEMS FOR CREATING, DE-DUPLICATING, AND ACCESSING DATA USING AN OBJECT STORAGE SYSTEM	December 13, 2016
BST-003	14/021,585 9,438,615 Published as: US2015/0074579	SECURITY RISK MANAGEMENT	September 9, 2013
BST-003C1	15/216,955 Published as: US2016/0330231	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	July 22, 2016
BST-003C2	15/239,063 Published as: US2017/0093901	SECURITY RISK MANAGEMENT	August 17, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-003C3	16/405,121 Published as: US2019/0260791	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	May 7, 2019
BST-003C4	17/025,930	METHODS FOR USING ORGANIZATIONAL BEHAVIOR FOR RISK RATINGS	September 18, 2020
BST-004	13/240,572 Published as: US2016/0205126	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	September 22, 2011
BST-004C1	14/944,484 9,973,524 Published as: US2016/0323308	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	November 18, 2015
BST-004C1CP	15/142,677 9,830,569 Published as: US/2016/0239772	SECURITY ASSESSMENT USING SERVICE PROVIDER DIGITAL ASSET INFORMATION	April 29, 2016
BST-007	15/134,845 9,680,858	ANNOTATION PLATFORM FOR A SECURITY RISK SYSTEM	April 21, 2016
BST-008	15/044,952 Published as: US2017/0236077	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	February 16, 2016
BST-008C2	15/089,375 10,176,445 Published as: US2017/0236079	RELATIONSHIPS AMONG TECHNOLOGY ASSETS AND SERVICES AND THE ENTITIES RESPONSIBLE FOR THEM	April 1, 2016

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-009DA	29/598,298 D835,631	COMPUTER DISPLAY SCREEN WITH GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DB	29/598,299 D818,475	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	March 24, 2017
BST-009DC	29/599,622	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-009DD	29/599,620	COMPUTER DISPLAY WITH SECURITY RATINGS GRAPHICAL USER INTERFACE	April 5, 2017
BST-010	16/015,686	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	June 22, 2018
BST-010C1	16/543,075	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	August 16, 2019
BST-010C2	16/738,825	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 9, 2020
BST-010C3	17/146,064	METHODS FOR MAPPING IP ADDRESSES AND DOMAINS TO ORGANIZATIONS USING USER ACTIVITY DATA	January 11, 2021
BST-011	15/918,286	CORRELATED RISK IN CYBERSECURITY	March 12, 2018
BST-011C1	16/292,956	CORRELATED RISK IN CYBERSECURITY	May 5, 2019
BST-011C2	16/795,056	CORRELATED RISK IN CYBERSECURITY	February 19, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-011C3	17/179,630	CORRELATED RISK IN CYBERSECURITY	February 19, 2021
BST-012	16/170680	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	October 25, 2018
BST-012C1	16/688647	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	November 19, 2019
BST-012C2	17/000135	SYSTEMS AND METHODS FOR REMOTE DETECTION OF SOFTWARE THROUGH BROWSER WEBINJECTS	August 21, 2020
BST-013	15/954921	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	April 17, 2018
BST-013C1	17/014,495	SYSTEMS AND METHODS FOR EXTERNAL DETECTION OF MISCONFIGURED SYSTEMS	September 8, 2020
BST-014	16/549764	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	August 23, 2019
BST-014C1	16/787650	SYSTEMS AND METHODS FOR INFERRING ENTITY RELATIONSHIPS VIA NETWORK COMMUNICATIONS OF USERS OR USER DEVICES	February 11, 2020
BST-015	16/583,991	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF WITH ENTITIES	September 26, 2019
BST-015C1	17/085,550	SYSTEMS AND METHODS FOR NETWORK ASSET DISCOVERY AND ASSOCIATION THEREOF	October 30, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
		WITH ENTITIES	
BST-016D	29/666942	COMPUTER DISPLAY WITH GRAPHICAL USER INTERFACE	October 17, 2018
BST-017	16/360,641	SYSTEMS AND METHODS FOR FORECASTING CYBERSECURITY RATINGS BASED ON EVENT-RATE SCENARIOS	March 21, 2019
BST-018	16/514,771	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 17, 2019
BST-018C1	16/922,672	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	July 7, 2020
BST-018C2	17/307,577	SYSTEMS AND METHODS FOR GENERATING SECURITY IMPROVEMENT PLANS FOR ENTITIES	May 4, 2021
BST-019D	29/677306	COMPUTER DISPLAY WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE COMPUTER DISPLAY WITH CORPORATE HIERARCHY GRAPHICAL USER INTERFACE	January 18, 2019
BST-020	16/775840	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	January 29, 2020
BST-020C1	17/018,587	SYSTEMS AND METHODS FOR ASSESSING CYBERSECURITY STATE OF ENTITIES BASED ON COMPUTER NETWORK CHARACTERIZATION	September 11, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-021D1	17/132,512	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	December 23, 2020
BST-021	16/779,437	SYSTEMS AND METHODS FOR RAPIDLY GENERATING SECURITY RATINGS	January 31, 2020
BST-022	17/119822	SYSTEMS AND METHODS FOR CYBERSECURITY RISK MITIGATION AND MANAGEMENT	December 11, 2020
BST-023	16/802232	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	February 26, 2020
BST-023C1	16/942,452	SYSTEMS AND METHODS FOR IMPROVING A SECURITY PROFILE OF AN ENTITY BASED ON PEER SECURITY PROFILES	July 29, 2020
BST-023DA	29/725724	COMPUTER DISPLAY WITH RISK VECTORS GRAPHICAL USER INTERFACE	February 26, 2020
BST-023DB	29/736,641	COMPUTER DISPLAY WITH PEER ANALYTICS GRAPHICAL USER INTERFACE	June 2, 2020
BST-024	17/039,675	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	September 30, 2020
BST-024C1	17/320,997	SYSTEMS AND METHODS FOR DETERMINING ASSET IMPORTANCE IN SECURITY RISK MANAGEMENT	May 14, 2021
BST-026	16/884,607	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	May 27, 2020

Docket No.	U.S. Serial No.:	Title	Filing Date
BST-026C1	17/236,594	SYSTEMS AND METHODS FOR MANAGING CYBERSECURITY ALERTS	April 21, 2021

It is submitted that the Information Disclosure Statement is in compliance with 37 C.F.R. § 1.98, and the Examiner is respectfully requested to consider the listed references.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 07-1700, under Order No. BST-004C2 from which the undersigned is authorized to draw.

Dated: July 2, 2021

Respectfully submitted,

Electronic signature: /Hunter Malboeuf/
Hunter Malboeuf
Registration No.: 79,730
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 570-1000
Agent For Applicant

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Sheet 1 of 33

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] *(if known)*	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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	A2	US-6,016,475	01-18-2000	Miller et al.	
	A3	US-6,792,401	09-14-2004	Nigro et al.	
	A4	US-7,062,572	06-13-2006	Hampton	
	A5	US-7,100,195	08-29-2006	Underwood	
	A6	US-7,194,769	03-20-2007	Lippmann et al.	
	A7	US-7,290,275	10-30-2007	Baudoin et al.	
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	A13	US-8,370,933	02-05-2013	Buckler	
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	B1**	WO-2017/142694-A1	01-31-2019	Securityscorecard, Inc		
	B2**	WO-2019/023045-A1	01-31-2019	Securityscorecard, Inc		

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Attorney Docket Number	BST-004C2

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	A20	US-8,775,402	07-08-2014	Baskerville et al.	
	A21	US-8,825,662	09-02-2014	Kingman et al.	
	A22	US-9,053,210	06-09-2015	Elnikety et al.	
	A23	US-9,075,990	07-07-2015	Yang	
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	A25	US-9,244,899	01-26-2016	Greenbaum	
	A26	US-9,294,498-B1	03-22-2016	Yampolskiy et al.	
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	A30	US-9,401,926	07-26-2016	Dubow et al.	
	A31	US-9,407,658-B1	08-02-2016	Kuskov et al.	
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	A34	US-9,501,647-B2	11-22-2016	Yampolskiy et al.	
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	A37	US-9,641,547-B2	05-02-2017	Yampolskiy et al.	
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Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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	A41	US-9,954,893	04-24-2018	Zhao et al.	
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First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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	A81	US-2004/0193907-A1	09-30-2004	Patanella	
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	A92	US-2005/0108415-A1	05-19-2005	Turk et al.	
	A93	US-2005/0131830-A1	06-16-2005	Juarez et al.	
	A94	US-2005/0138413-A1	06-23-2005	Lippmann et al.	
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Art Unit	2492
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Attorney Docket Number	BST-004C2

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	A98	US-2006/0036335-A1	02-16-2006	Banter et al.	
	A99	US-2006/0107226-A1	05-18-2006	Matthews et al.	
	A100	US-2006/0173992-A1	08-03-2006	Weber et al	
	A101	US-2006/0212925-A1	09-21-2006	Shull et al.	
	A102	US-2006/0253581-A1	11-09-2006	Dixon et al.	
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	A110	US-2007/0282730-A1	12-06-2007	Carpenter et al.	
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Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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Attorney Docket Number	BST-004C2

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Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

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	C96**	Report to the Congress on Credit Scoring and Its Effects on the Availability and Affordability of Credit, Board of Governors of the Federal Reserve System, August 2007, 304 pages.	
	C97**	RFC 1834, https://tools.ietf.org/html/rfc1834, date accessed September 28, 2016, 7 pages.	
	C98**	RFC 781, https://tools.ietf.org/html/rfc781, date accessed September 28, 2016, 3 pages.	
	C99**	RFC 950, https://tools.ietf.org/html/rfc950, date accessed September 28, 2016, 19 pages.	
	C100**	RFC 954, https://tools.ietf.org/html/rfc954, date accessed September 28, 2016, 5 pages.	

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] Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	32	of	33	Attorney Docket Number	BST-004C2

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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.	T[2]
	C101**	SamSpade Network Inquiry Utility, https://www.sans.org/reading-room/whitepapers/tools/sam-spade-934, date accessed September 28, 2016, 19 pages.	
	C102	Santos, J. R. et al., "A framework for linking cybersecurity metrics to the modeling of macroeconomic interdependencies." Risk Analysis: An International Journal (2007) 27.5, pp. 1283 - 1297.	
	C103**	SBIR Phase I: Enterprise Cyber Security Scoring, CyberAnalytix, LLC, http://www.nsf.gov/awardsearch/showAward. do?AwardNumber=I013603, April 28, 2010, 2 pages.	
	C104**	Search Query Report form IP.com (performed 04/27/2020).	
	C105**	Security Warrior, Cyrus Peikari, Anton, Chapter 8: Reconnaissance, 6 pages.	
	C106**	SEIGNEUR et al., A Survey of Trust and Risk Metrics for a BYOD Mobile Worker World: Third International Conference on Social Eco-Informatics, 2013, 11 pages"	
	C107	SENEVIRATNE et al., "SSIDs in the Wild: Extracting Semantic Information from WiFi SSIDs" HAL archives-ouvertes.fr, HAL Id: hal-01181254, 07/29/15, 5 pages.	
	C108**	Snort Intrusion Monitoring System, http://archive.oreilly.com/pub/h/1393, date accessed September 28, 2016, 3 pages.	
	C109**	Srivastava, Divesh; Velegrakis, Yannis. Using Queries to Associate Metadata with Data. IEEE 23rd International Conference on Data Engineering. Pub. Date: 2007. http://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=4221823, 3 pages.	
	C110**	Stone-Gross, Brett, et al., "FIRE: Finding Rogue Networks," 10 pages.	

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.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	33	of	33

Complete if Known	
Application Number	17/069,151-Conf. #3411
Filing Date	October 13, 2020
First Named Inventor	Stephen Boyer
Art Unit	2492
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	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.	T[2]
	C111**	Taleb, Nassim N., et al., "The Six Mistakes Executives Make in Risk Management," Harvard Business Review, October 2009, 5 pages.	
	C112**	The CIS Security Metrics vl.0.0, The Center for Internet Security, May 11, 2009, 90 pages.	
	C113	The Dun & Bradstreet Corp. Stock Report, Standard & Poor's, June 6, 2009, 8 pages.	
	C114**	The Fair Credit Reporting Act (FCRA) of the Federal Trade Commission (FTC), July 30, 2004, 86 pages	
	C115**	The Financial Institution Shared Assessments Program, Industry Positioning and Mapping Document, BITS, October 2007, 44 pages.	
	C116**	WAGNER, et al., "Assessing the vulnerability of supply chains using graph theory," Int. J. Production Economics 126 (2010) 121-129.	
	C117**	Wikipedia, https://en.wikipedia.org/wiki/Crowdsourcing, date accessed September 28, 2016, 25 pages.	
	C118**	Williams, Leevar, et al., "An Interactive Attack Graph Cascade and Reachability Display," MIT Lincoln Laboratory, 17 pages.	
	C119**	Williams, Leevar, et al., "GARNET: A Graphical Attack Graph and Reachability Network Evaluation Tool," MIT Lincoln Library, VizSEC 2009, pp. 44-59.	

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.

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Electronic Acknowledgement Receipt

EFS ID:	43162675
Application Number:	17069151
International Application Number:	
Confirmation Number:	3411
Title of Invention:	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
First Named Inventor/Applicant Name:	Stephen Wayne Boyer
Customer Number:	51414
Filer:	Hunter Christian Malboeuf/Anna Beaulieu
Filer Authorized By:	Hunter Christian Malboeuf
Attorney Docket Number:	BST-004C2
Receipt Date:	02-JUL-2021
Filing Date:	13-OCT-2020
Time Stamp:	17:34:33
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no

File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Non Patent Literature	Seneviratne_SSIDs_in_the_Wild.PDF	728699 77919e016d1e31254fe6b3eb22a91b383958d6d6	no	5

Warnings:

Information:					
2	Non Patent Literature	BST-010_-_NPL_-_Percentile-Based_Approach_to_Forecasting.pdf	774615 3676ecb37874a3833c17f90b3327997173c1d98a	no	16
Warnings:					
Information:					
3	Non Patent Literature	BST-015_-_Maltego_XL.PDF	714210 dc8897f8b95e17321ad99cec09d95022ea2e9c58	no	5
Warnings:					
Information:					
4	Non Patent Literature	Palantar_Youtube_12_21_12.PDF	174887 34e3b5cd924681062945c2a24fa35e0c724975ad	no	1
Warnings:					
Information:					
5	Non Patent Literature	BST-015_-_BST-001_-_Plugging_the_Right_Holes.pdf	159300 b554906fd27f718c91f21d0d6ce375d18877846f	no	2
Warnings:					
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6	Non Patent Literature	BST-015_-_BST-003C1_-_Rapid7.pdf	447017 5618f37585737b6683f22c4f3f9c5b71b1dc34ca	no	3
Warnings:					
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7	Non Patent Literature	BST-015_-_BST-003C1_-_Tenable_Nessus.pdf	1003962 cde3c937f748c15225be9d787a43b8d16be56912	no	13
Warnings:					
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8	Non Patent Literature	BST-013_-_BST_013_Abstract_wPortChaptX.pdf	22876130 a9e2d4a0b982297c563c1eb42e1f453f3875afe3	no	90
Warnings:					
Information:					

9	Non Patent Literature	BST-013_-_Camelo_2014.pdf	524212 85aad1e29a01a1608226cd2317d5a17ebc1492b3	no	10
Warnings:					
Information:					
10	Non Patent Literature	Computer_Network_Graph-Univ_of_Michigan.pdf	1401588 5654d5b2092bd561913ee2c72411e00aa75229c3	no	5
Warnings:					
Information:					
11	Non Patent Literature	BST-015_-_Gephi.PDF	187381 42fffc20178cba2de15adc1e32759ee4e9193afa	no	1
Warnings:					
Information:					
12	Non Patent Literature	BST-003C3_-_GILGUR_et_al_Percentile-Based_Approach_to_Forecasting_Workload_Growth_Proceed.PDF	774615 3676ecb37874a3833c17f90b3327997173c1d98a	no	16
Warnings:					
Information:					
13	Non Patent Literature	BST-015_-_BST-010_-_Gundert.pdf	1576316 45cb6d0cbe375b163e89f8e9f2809460a962ce41	no	8
Warnings:					
Information:					
14	Non Patent Literature	BST-015_-_RIPE_real-time-bgp-vis.PDF	1109261 dcf790c7769d27cc9fbc17f2ed66df90f8dc8e6c	no	8
Warnings:					
Information:					
15	Non Patent Literature	BST-015_-_BST-003C2_-_Network_Security_Assessment.pdf	1803210 8851b10c8673685c1ebb024df2d9d024cda8a0e7	no	13
Warnings:					
Information:					

16	Non Patent Literature	MCNAB_-_56_pages.PDF	5441108 4014178574fca22427136d41959e988ec5bc0af1	no	56
Warnings:					
Information:					
17	Non Patent Literature	BST-015_-_Mile_2_Capture.pdf	467242 9f4aac9884f5bbdc800cc97fa0182047b8ceabbf	no	1
Warnings:					
Information:					
18	Non Patent Literature	Morningstar.PDF	308390 293449c044ed841624a6d512a22df42caa7477a7	no	3
Warnings:					
Information:					
19	Non Patent Literature	REES.PDF	2017602 77c90cb60c87ce99df02a213fee0dba8d348c2b4	no	13
Warnings:					
Information:					
20	Non Patent Literature	Santos.PDF	1158404 bf61bec0fbb0a27773112ae224751fd9e02ed364	no	15
Warnings:					
Information:					
21	Non Patent Literature	BST-015_-_23386653_BIIB_Dun__Bradstreet.PDF	1190349 ecd661c9a5f6856bd12c101193d10eb67f804799	no	97
Warnings:					
Information:					
22	Non Patent Literature	Camelo_ENG_TRNS.pdf	103770 5eaa9783971c71fd043b0f07b3bbb66d240ff715	no	2
Warnings:					
Information:					

23	Information Disclosure Statement (IDS) Form (SB08)	BST_004C2_IDS.pdf	468507 d5a96b095575763248fc970dcebf51b80e5e87c4	no	41

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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.

PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/069,151

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	80		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	350		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	400		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	1 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 240 =	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	830		TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	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))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	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))									
	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	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2

CONFIRMATION NO. 3411

51414
GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

INFORMAL NOTICE

OC000000124529213

Date Mailed: 04/01/2021

INFORMATIONAL NOTICE TO APPLICANT

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

The item(s) indicated below are also required and should be submitted with any reply to this notice to avoid further processing delays.

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Stephen Wayne Boyer
  Nagarjuna Venna
  Megumi Ando

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

/atesfai/

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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
17/069,151	10/13/2020	3638	910	BST-004C2	1	1

CONFIRMATION NO. 3411

UPDATED FILING RECEIPT

51414
GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

OC000000124529212

Date Mailed: 04/01/2021

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)

Stephen Wayne Boyer, Waltham, MA;
Nagarjuna Venna, Waltham, MA;
Megumi Ando, Cambridge, MA;

Applicant(s)

BitSight Technologies, Inc., Boston, MA;

Power of Attorney: The patent practitioners associated with Customer Number 051414

Domestic Priority data as claimed by applicant

This application is a CON of 13/240,572 09/22/2011 PAT 10805331
which claims benefit of 61/492,287 06/01/2011
and claims benefit of 61/386,156 09/24/2010

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: 10/29/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/069,151**

Projected Publication Date: 07/08/2021

Non-Publication Request: No

Early Publication Request: No

**** SMALL ENTITY ****

Title

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

Preliminary Class

283

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

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Title 37, Code of Federal Regulations, 5.11 & 5.15

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Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Wayne Boyer et al.

Application No.: 17/069,151 | Confirmation No.: 3411

Filed: October 13, 2020 | Art Unit: 3638

For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM | Examiner: Not Yet Assigned

FILED VIA EFS-WEB

RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS

Responsive to the Notice to File Corrected Application Papers dated October 30, 2020, please consider the following Replacement Drawings submitted with this Response.

No new matter is added. Submitted herewith is a Petition for 3-month extension of time and the related fee. If any additional fee is due, please charge our Deposit Account No. 07-1700, under Order No. BST-004C2 from which the undersigned is authorized to draw.

Dated: March 30, 2021

Respectfully submitted,

Electronic signature: /Gozde Guckaya/
Gozde Guckaya
Registration No.: 74,989
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 305-6778
Agent For Applicant

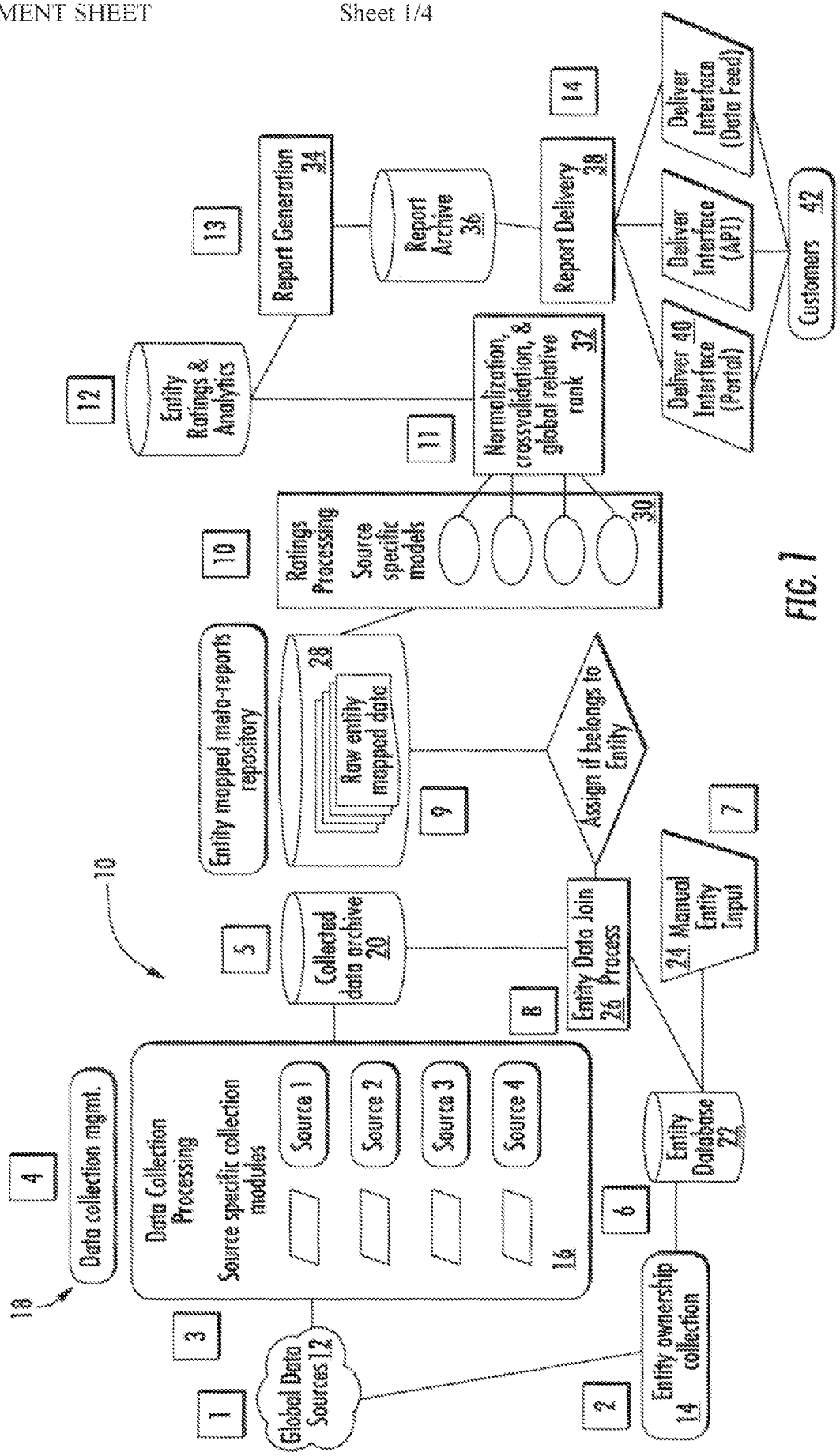

Global Data Sources 12
Entity ownership collection 14
Data collection mgmt.
Data Collection Processing
Source specific collection modules
Source 1
Source 2
Source 3
Source 4
16
Collected data archive 20
Entity Database 22
Entity Data Join 26 Process
24 Manual Entity Input
Assign if belongs to Entity
Entity mapped meta-reports repository
Raw entity mapped data
28
Ratings Processing
Source specific models
30
Normalization, crossvalidation, & global relative rank 32
Entity Ratings & Analytics
Report Generation 34
Report Archive 36
Report Delivery 38
Deliver Interface (Portal) 40
Deliver Interface (API)
Deliver Interface (Data Feed)
Customers 42
10
18
1
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4
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FIG. 1

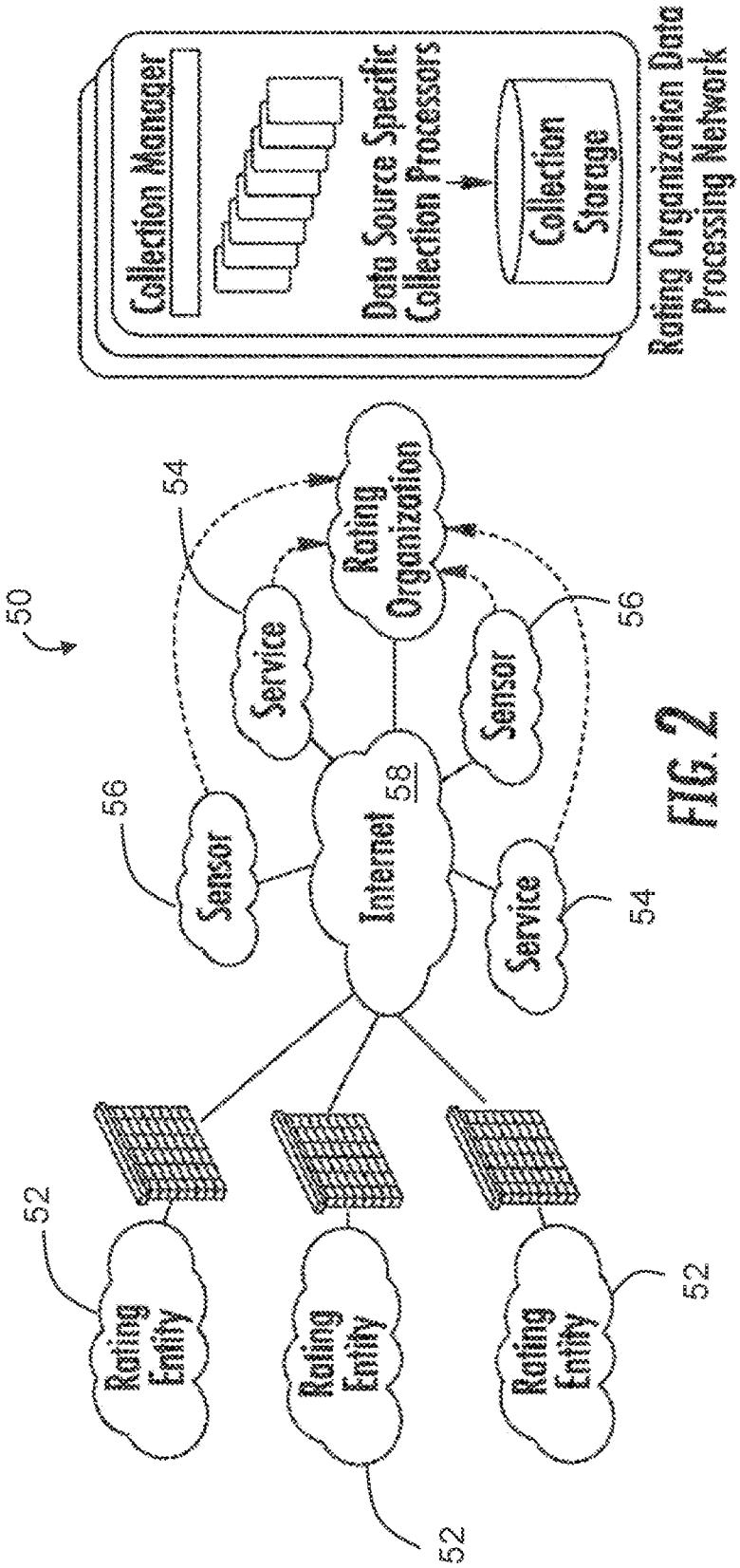

Rating Organization Data Processing Network
Collection Manager
Data Source Specific Collection Processors
Collection Storage
50
Rating Organization
Service
Sensor
Internet 58
Sensor
Service
Rating Entity
Rating Entity
Rating Entity
52
52
52
54
54
56
56

FIG. 2

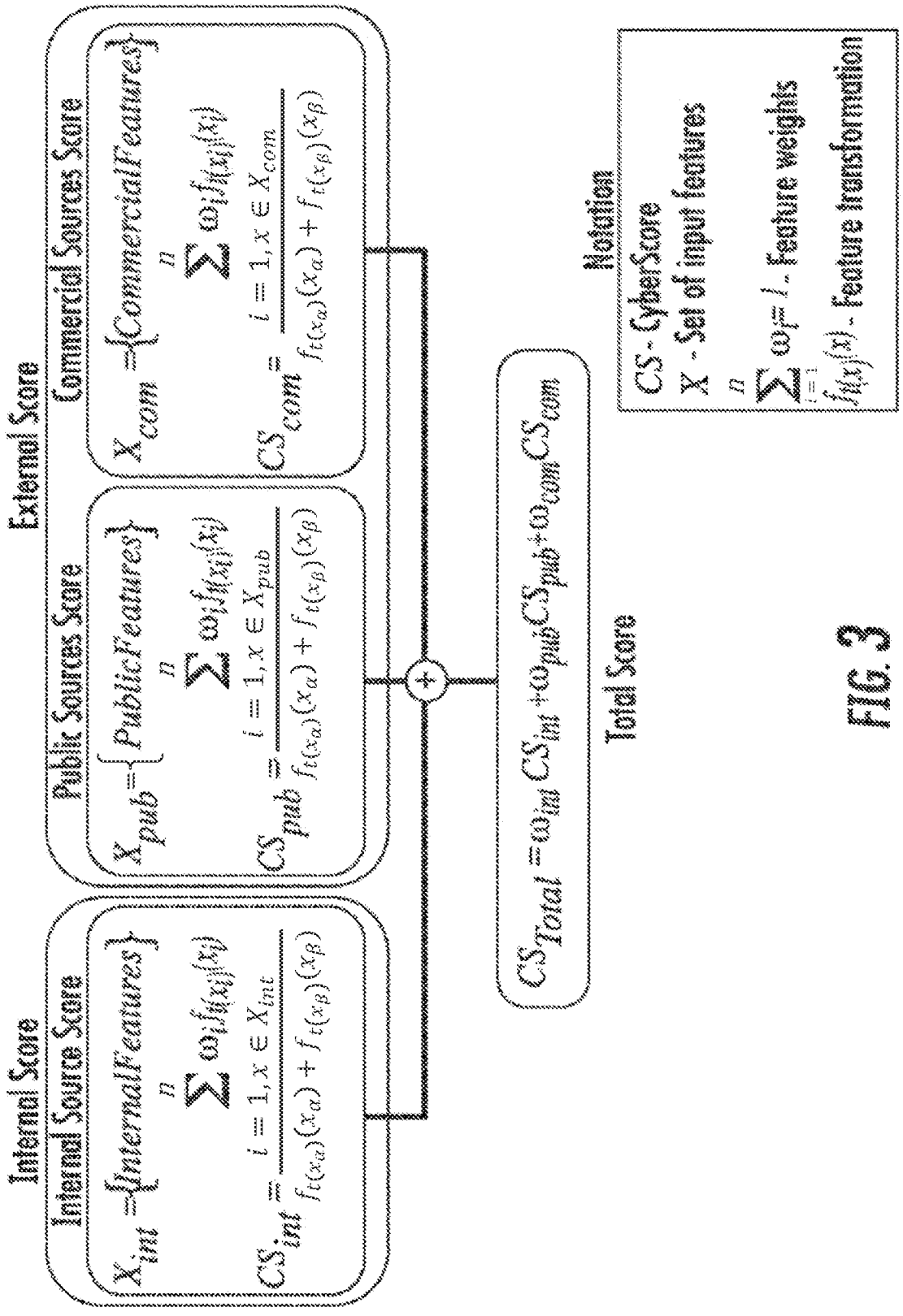

External Score
Internal Score
Internal Source Score
$X_{int} = \{InternalFeatures\}$
$CS_{int} = \frac{\sum_{i=1, x \in X_{int}}^{n} \omega_i f_{t(x_i)}(x_i)}{f_{t(x_\alpha)}(x_\alpha) + f_{t(x_\beta)}(x_\beta)}$
Public Sources Score
$X_{pub} = \{PublicFeatures\}$
$CS_{pub} = \frac{\sum_{i=1, x \in X_{pub}}^{n} \omega_i f_{t(x_i)}(x_i)}{f_{t(x_\alpha)}(x_\alpha) + f_{t(x_\beta)}(x_\beta)}$
Commercial Sources Score
$X_{com} = \{CommercialFeatures\}$
$CS_{com} = \frac{\sum_{i=1, x \in X_{com}}^{n} \omega_i f_{t(x_i)}(x_i)}{f_{t(x_\alpha)}(x_\alpha) + f_{t(x_\beta)}(x_\beta)}$
+
$CS_{Total} = \omega_{int} CS_{int} + \omega_{pub} CS_{pub} + \omega_{com} CS_{com}$
Total Score
Notation
CS - CyberScore
X - Set of input features
$\sum_{i=1}^{n} \omega_i = 1$ - feature weights
$f_{t(x_i)}(x_i)$ - feature transformation

FIG. 3

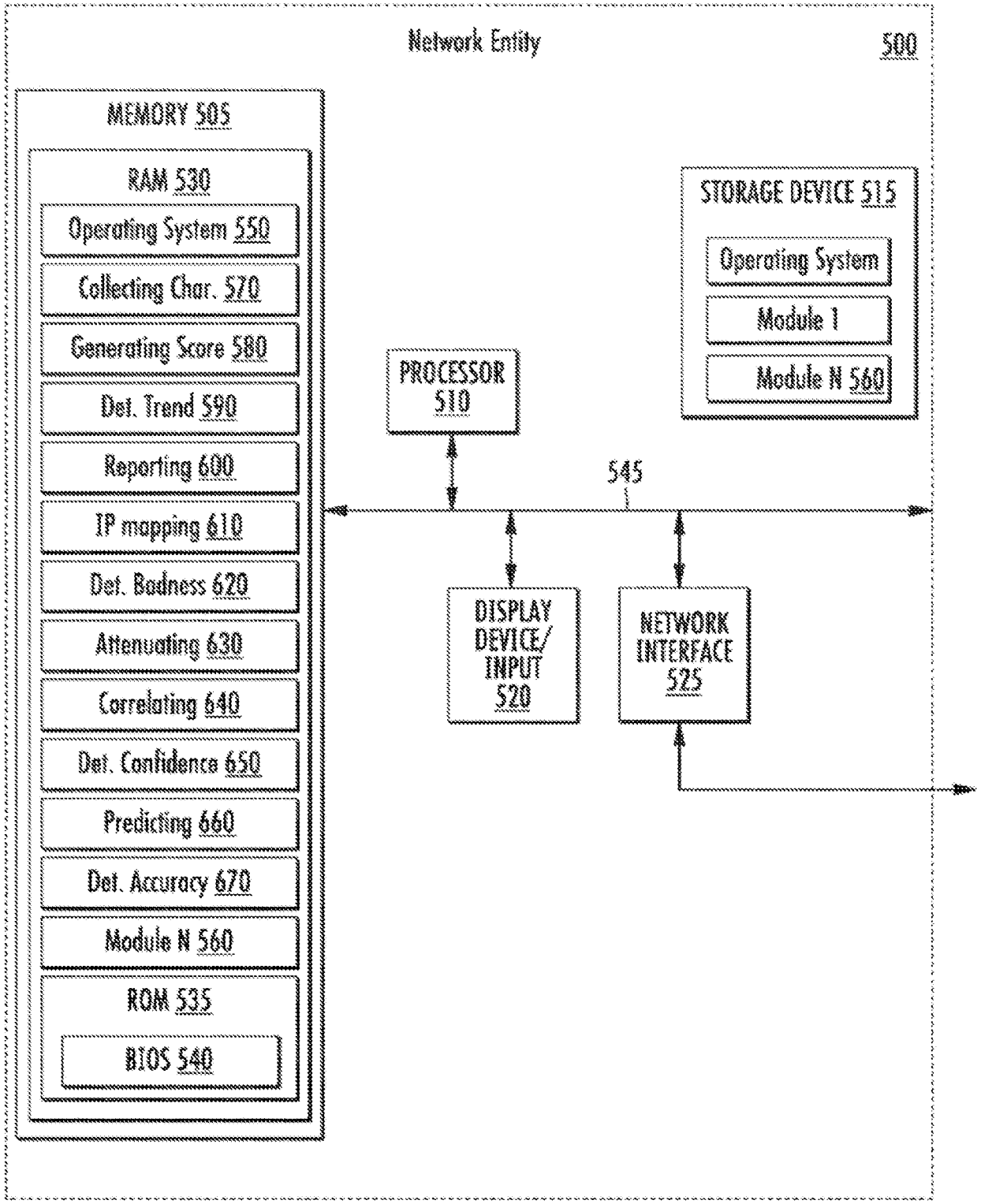

Network Entity
500
MEMORY 505
RAM 530
Operating System 550
Collecting Char. 570
Generating Score 580
Det. Trend 590
Reporting 600
IP mapping 610
Det. Badness 620
Attenuating 630
Correlating 640
Det. Confidence 650
Predicting 660
Det. Accuracy 670
Module N 560
ROM 535
BIOS 540
STORAGE DEVICE 515
Operating System
Module 1
Module N 560
PROCESSOR 510
545
DISPLAY DEVICE/ INPUT 520
NETWORK INTERFACE 525

FIG. 4

Electronic Patent Application Fee Transmittal

Application Number:	17069151
Filing Date:	13-Oct-2020
Title of Invention:	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
First Named Inventor/Applicant Name:	Stephen Wayne Boyer
Filer:	Gozde Guckaya/Christina Andrews
Attorney Docket Number:	BST-004C2

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
Pages:				
Claims:				
Miscellaneous-Filing:				
Petition:				
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Extension - 3 months with $0 paid	2253	1	740	740
Miscellaneous:				
			Total in USD ($)	**740**

Electronic Acknowledgement Receipt

EFS ID:	42316200
Application Number:	17069151
International Application Number:	
Confirmation Number:	3411
Title of Invention:	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
First Named Inventor/Applicant Name:	Stephen Wayne Boyer
Customer Number:	51414
Filer:	Gozde Guckaya/Christina Andrews
Filer Authorized By:	Gozde Guckaya
Attorney Docket Number:	BST-004C2
Receipt Date:	30-MAR-2021
Filing Date:	13-OCT-2020
Time Stamp:	10:42:53
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	CARD
Payment was successfully received in RAM	$740
RAM confirmation Number	E20213TA43150834
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	Extension of Time	BST-004C2_Extension.pdf	88198 1c2a746b36c5082cb17a83d1166b9ac77b3b3668	no	1
Warnings:					
Information:					
2	Applicant Response to Pre-Exam Formalities Notice	BST-004C2_Response1.pdf	72463 e878013345cf026ffded750ad1d334d8e74cd866	no	1
Warnings:					
Information:					
3	Drawings-only black and white line drawings	BST-004C2_Drawings1.pdf	1000042 9fae4524877d566051cf551a59745aaec1592794	no	4
Warnings:					
Information:					
4	Fee Worksheet (SB06)	fee-info.pdf	30726 e06a1b7116a5b8d9850f727fa8f4e9d84fa73419	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	1191429		

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

New Applications Under 35 U.S.C. 111

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

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

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

New International Application Filed with the USPTO as a Receiving Office

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

PTO/AIA/22 (10-20)
Approved for use through 11/30/2020. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PETITION FOR EXTENSION OF TIME UNDER 37 CFR 1.136(a)	Docket Number (Optional) BST-004C2
Application Number 17/069,151-Conf. #3411	Filed October 13, 2020
For INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	
Art Unit 3638	Examiner Not Yet Assigned

This is a request under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application.

The requested extension and fee are as follows (check time period desired and enter the appropriate fee below):

		Fee	Small Entity Fee	Micro Entity Fee	
☐	One month (37 CFR 1.17(a)(1))	$220	$110	$55	$
☐	Two months (37 CFR 1.17(a)(2))	$640	$320	$160	$
☒	Three months (37 CFR 1.17(a)(3))	$1,480	$740	$370	$ 740.00
☐	Four months (37 CFR 1.17(a)(4))	$2,320	$1,160	$580	$
☐	Five months (37 CFR 1.17(a)(5))	$3,160	$1,580	$790	$

☒ Applicant asserts small entity status. See 37 CFR 1.27.

☐ Applicant certifies micro entity status. See 37 CFR 1.29.
Form PTO/SB/15A or B or equivalent must either be enclosed or have been submitted previously.

☐ A check in the amount of the fee is enclosed.

☒ Payment by credit card.

☐ The Director has already been authorized to charge fees in this application to a Deposit Account.

☒ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 07-1700 .

☒ Payment made via EFS-Web.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

I am the

☐ applicant.

☒ attorney or agent of record. Registration number 74,989 .

☐ attorney or agent acting under 37 CFR 1.34. Registration number _____ .

/Gozde Guckaya/	March 30, 2021
Signature	Date
Gozde Guckaya	(617) 570-1000
Typed or printed name	Telephone Number

NOTE: This form must be signed in accordance with 37 CFR 1.33. See 37 CFR 1.4 for signature requirements and certifications. Submit multiple forms if more than one signature is required, see below*.

☐ * Total of 1 forms are submitted.

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

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
17/069,151	10/13/2020	3638	910	BST-004C2	1	1

CONFIRMATION NO. 3411

FILING RECEIPT

51414
GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

OC000000121006926

Date Mailed: 10/30/2020

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)

Stephen Wayne Boyer, Waltham, MA;
Nagarjuna Venna, Waltham, MA;
Megumi Ando, Cambridge, MA;

Applicant(s)

BitSight Technologies, Inc., Boston, MA;

Power of Attorney: The patent practitioners associated with Customer Number 051414

Domestic Priority data as claimed by applicant

This application is a CON of 13/240,572 09/22/2011 PAT 10805331
which claims benefit of 61/492,287 06/01/2011
and claims benefit of 61/386,156 09/24/2010

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: 10/29/2020

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 17/069,151**

Projected Publication Date: To Be Determined - pending completion of Corrected Papers

Non-Publication Request: No

Early Publication Request: No
**** SMALL ENTITY ****
Title

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

Preliminary Class

283

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

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

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

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

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

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

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific

countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4258).

LICENSE FOR FOREIGN FILING UNDER

Title 35, United States Code, Section 184

Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

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

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

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NOT GRANTED

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

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PATENT APPLICATION FEE DETERMINATION RECORD

Substitute for Form PTO-875

Application or Docket Number: 17/069,151

APPLICATION AS FILED - PART I

FOR	(Column 1) NUMBER FILED	(Column 2) NUMBER EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY FEE($)
BASIC FEE (37 CFR 1.16(a), (b), or (c))	N/A	N/A	N/A	80		N/A	
SEARCH FEE (37 CFR 1.16(k), (i), or (m))	N/A	N/A	N/A	350		N/A	
EXAMINATION FEE (37 CFR 1.16(o), (p), or (q))	N/A	N/A	N/A	400		N/A	
TOTAL CLAIMS (37 CFR 1.16(i))	1 minus 20 =	*	x 50 =	0.00	OR		
INDEPENDENT CLAIMS (37 CFR 1.16(h))	1 minus 3 =	*	x 240 =	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	830		TOTAL	

APPLICATION AS AMENDED - PART II

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT A	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))									
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM (37 CFR 1.16(j))							OR		
						TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA	SMALL ENTITY RATE($)	SMALL ENTITY ADDITIONAL FEE($)	OR	OTHER THAN SMALL ENTITY RATE($)	OTHER THAN SMALL ENTITY ADDITIONAL FEE($)
AMENDMENT B	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))									
	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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United States Patent and Trademark Office
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P.O. Box 1450
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APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
17/069,151	10/13/2020	Stephen Wayne Boyer	BST-004C2

CONFIRMATION NO. 3411

51414
GOODWIN PROCTER LLP
PATENT ADMINISTRATOR
100 NORTHERN AVENUE
BOSTON, MA 02210

FORMALITIES LETTER

OC000000121006927

Date Mailed: 10/30/2020

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

An application number and filing date have been accorded to this application. The application is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121(d) are required. The drawings submitted are not acceptable because:
  - The drawings submitted to the Office are not electronically reproducible because portions of figures 1, 3 are missing and/or blurry.

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

Items Required To Avoid Processing Delays:

Applicant is notified that the above-identified application contains the deficiencies noted below. No period for reply is set forth in this notice for correction of these deficiencies. However, if a deficiency relates to the inventor's oath or declaration, the applicant must file an oath or declaration in compliance with 37 CFR 1.63, or a substitute statement in compliance with 37 CFR 1.64, executed by or with respect to each actual inventor no later than the expiration of the time period set in the "Notice of Allowability" to avoid abandonment. See 37 CFR 1.53(f).

- A properly executed inventor's oath or declaration has not been received for the following inventor(s):
  Stephen Wayne Boyer
  Nagarjuna Venna
  Megumi Ando

Replies must be received in the USPTO within the set time period or must include a proper Certificate of Mailing or Transmission under 37 CFR 1.8 with a mailing or transmission date within the set time period. For more information and a suggested format, see Form PTO/SB/92 and MPEP 512.

Replies should be mailed to:

Mail Stop Missing Parts
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web, including a copy of this Notice and selecting the document description "Applicant response to Pre-Exam Formalities Notice". https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at http://www.uspto.gov/ebc.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.

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

/lnguyen/

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82A (07-13)
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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/AIA82B identifies the application to which the Power of Attorney is directed, the Power of Attorney will not be recognized in the application.

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Stephen Wayne Boyer
Title	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	BST-004C2

SIGNATURE of Applicant or Patent Practitioner

Signature	/Gozde Guckaya/	Date (Optional)	October 13, 2020
Name	Gozde Guckaya	Registration Number	74,989
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.

☐ *Total of 1 forms are submitted.

Doc Code: PA..
Document Description: Power of Attorney

PTO/AIA/82B (07-13)
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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.)

[X] 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: 051414

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:

[X] The address associated with the above-mentioned Customer Number

OR

[ ] The address associated with Customer Number:

OR

[ ] 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):

BitSight Technologies, Inc.

[ ] Inventor or Joint Inventor (title not required below)

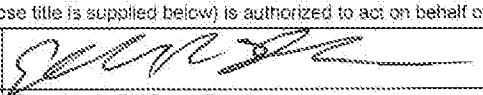
[ ] Legal Representative of a Deceased or Legally Incapacitated Inventor (title not required below)

[X] 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	Elizabeth DiMare Fischer		
Title	General Counsel, BitSight Technologies, Inc.		

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.

REMARKS

The specification has been amended to include a priority claim.

The claims have been amended to cancel claims 2-120.

Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 07-1700, under Order No. BST-004C2 from which the undersigned is authorized to draw.

Dated: October 13, 2020

Respectfully submitted,

Electronic signature: /Gozde Guckaya/
Gozde Guckaya
Registration No.: 74,989
GOODWIN PROCTER LLP
100 Northern Avenue
IP DOCKETING DEPT./7TH FL
Boston, Massachusetts 02210
(617) 305-6778
Agent For Applicant

AMENDMENTS TO THE CLAIMS

1. (Original) A method of evaluating information security of a third party computer system, the method comprising:

collecting at least two security characterizations of the third party computer system;

generating a composite security rating using the at least two security characterizations;

wherein the two security characterizations are derived from externally observable characteristics of the third party computer system.

2-120. (Canceled)

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph under the heading "CROSS-REFERENCE TO RELATED APPLICATIONS" of page 1 of the Specification as follows:

The present application is a continuation of U.S. Patent Application No. 13/240,572 entitled "Information Technology Security Assessment System" and filed on September 22, 2011, which claims priority to U.S. Prov. Pat. App. No. 61/386,156 entitled "Enterprise Information Security Score" and filed on Sept. 24, 2010; and 61/492,287 entitled "Information Technology Security Assessment System" and filed on June 1, 2011 which are hereby incorporated herein in their ~~entirety~~ entireties by reference.

Docket No.: BST-004C2
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Stephen Wayne Boyer et al.

Application No.: Not Yet Assigned	Confirmation No.: N/A
Filed: Concurrently Herewith	Art Unit: N/A
For: INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	Examiner: Not Yet Assigned

Filed via EFS-web

PRELIMINARY AMENDMENT UNDER 37 C.F.R. § 1.115

Prior to examination on the merits, please amend the above-identified U.S. patent application as follows:

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims begin on page 3 of this paper.

Remarks/Arguments begin on page 4 of this paper.

Electronic Patent Application Fee Transmittal

Application Number:	
Filing Date:	
Title of Invention:	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
First Named Inventor/Applicant Name:	Stephen Wayne Boyer
Filer:	Gozde Guckaya/Tarajee Pass
Attorney Docket Number:	BST-004C2

Filed as Small Entity

Filing Fees for Utility under 35 USC 111(a)

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Basic Filing:				
UTILITY FILING FEE (ELECTRONIC FILING)	4011	1	80	80
UTILITY SEARCH FEE	2111	1	350	350
UTILITY EXAMINATION FEE	2311	1	400	400
Pages:				
Claims:				
Miscellaneous-Filing:				
LATE FILING FEE FOR OATH OR DECLARATION	2051	1	80	80
Petition:				

Description	Fee Code	Quantity	Amount	Sub-Total in USD($)
Patent-Appeals-and-Interference:				
Post-Allowance-and-Post-Issuance:				
Extension-of-Time:				
Miscellaneous:				
			Total in USD ($)	910

Electronic Acknowledgement Receipt

EFS ID:	40826707
Application Number:	17069151
International Application Number:	
Confirmation Number:	3411
Title of Invention:	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
First Named Inventor/Applicant Name:	Stephen Wayne Boyer
Customer Number:	51414
Filer:	Gozde Guckaya/Tarajee Pass
Filer Authorized By:	Gozde Guckaya
Attorney Docket Number:	BST-004C2
Receipt Date:	13-OCT-2020
Filing Date:	
Time Stamp:	14:02:14
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	yes
Payment Type	DA
Payment was successfully received in RAM	$910
RAM confirmation Number	E20200CE03017785
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	Transmittal of New Application	BST-004C2_Transmittal.pdf	106302 ec16f9f551ad4d7bfd45e34939870d7880045d43	no	1
Warnings:					
Information:					
2	Application Data Sheet	BST-004C2_ADS.pdf	1256021 431e69ea5108b2326c7fe929d7541ed075d84909	no	9
Warnings:					
Information:					
3		BST-004C2_Spec.pdf	1167650 6f41309911bd0fa30a14c5cee651436d521f257c	yes	32

Multipart Description/PDF files in .zip description

Document Description	Start	End
Abstract	32	32
Claims	24	31
Specification	1	23

Warnings:					
Information:					
4	Drawings-only black and white line drawings	BST-004C2_Drawings_Original_1.pdf	1157874 61ff3800dd1afc25d2f47d5e840e8db9cb6c6bac	no	4
Warnings:					
Information:					
5	Power of Attorney	BST-004C2_Transmittal_and_POA_1.pdf	241757 cac3a0a788ee62d9e2b0d5156cc89536b4235758	no	2

Warnings:					
Information:					
6		BST-004C2_PreliminaryAmendment1.pdf	113153 4675124d0956187cfc66c9dcfc1265df052d69be	yes	4

Multipart Description/PDF files in .zip description		
Document Description	**Start**	**End**
Applicant Arguments/Remarks Made in an Amendment	4	4
Claims	3	3
Specification	2	2
Preliminary Amendment	1	1

Warnings:					
Information:					
7	Fee Worksheet (SB06)	fee-info.pdf	36879 93d06d14349e58cc6a17b5686cbce2c9081f1cda	no	2
Warnings:					
Information:					
		Total Files Size (in bytes):	4079636		

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

New Applications Under 35 U.S.C. 111
If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.
National Stage of an International Application under 35 U.S.C. 371
If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.
New International Application Filed with the USPTO as a Receiving Office
If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.

PTO/AIA/15 (10-17)
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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	BST-004C2
First Named Inventor	Stephen Wayne Boyer
Title	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM
Priority Mail Express® Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. [ ] **Fee Transmittal Form** (PTO/SB/17 or equivalent)
2. [X] **Applicant asserts small entity status.** See 37 CFR 1.27
3. [ ] **Applicant certifies micro entity status.** See 37 CFR 1.29. Applicant must attach form PTO/SB/15A or B or equivalent.
4. [X] **Specification** [*Total Pages* 32] Both the claims and abstract must start on a new page. *(See MPEP § 608.01(a) for information on the preferred arrangement)*
5. [X] **Drawing(s)** (35 U.S.C. 113) [*Total Sheets* 4]
6. **Inventor's Oath or Declaration** [*Total Pages*] *(including substitute statements under 37 CFR 1.64 and assignments serving as an oath or declaration under 37 CFR 1.63(e))*
   a. [ ] Newly executed (original or copy)
   b. [ ] A copy from a prior application (37 CFR 1.63(d))
7. [X] **Application Data Sheet** * *See note below.* See 37 CFR 1.76 (PTO/AIA/14 or equivalent)
8. **CD-ROM or CD-R** in duplicate, large table, or Computer Program (*Appendix*)
   [ ] Landscape Table on CD
9. **Nucleotide and/or Amino Acid Sequence Submission** (*if applicable, items a. – c. are required*)
   a. [ ] Computer Readable Form (CRF)
   b. [ ] Specification Sequence Listing on:
      i. [ ] CD-ROM or CD-R (2 copies); or
      ii. [ ] Paper
   c. [ ] Statements verifying identity of above copies

ADDRESS TO:

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

ACCOMPANYING APPLICATION PAPERS

10. [ ] **Assignment Papers** (cover sheet & document(s))
    Name of Assignee
11. [ ] **37 CFR 3.73(c) Statement** (*when there is an assignee*) [X] **Power of Attorney**
12. [ ] **English Translation Document** (*if applicable*)
13. [ ] **Information Disclosure Statement** (PTO/SB/08 or PTO-1449)
    [ ] Copies of citations attached
14. [X] **Preliminary Amendment**
15. [ ] **Return Receipt Postcard** (*MPEP § 503*) (*Should be specifically itemized*)
16. [ ] **Certified Copy of Priority Document(s)** (*if foreign priority is claimed*)
17. [ ] **Nonpublication Request** Under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or equivalent.
18. [ ] **Other:**

***Note:** (1) Benefit claims under 37 CFR 1.78 and foreign priority claims under 1.55 **must** be included in an Application Data Sheet (ADS).
(2) For applications filed under 35 U.S.C. 111, the application must contain an ADS specifying the applicant if the applicant is an assignee, person to whom the inventor is under an obligation to assign, or person who otherwise shows sufficient proprietary interest in the matter. See 37 CFR 1.46(b).

19. CORRESPONDENCE ADDRESS

[X] The address associated with Customer Number: 051414 **OR** [ ] Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Email	

Signature	/Gozde Guckaya/	Date	October 13, 2020
Name (Print/Type)	Gozde Guckaya	Registration No. (Attorney/Agent)	74,989

PTO/AIA/14 (02-18)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

The application data sheet is part of the provisional or nonprovisional application for which it is being submitted. The following form contains the bibliographic data arranged in a format specified by the United States Patent and Trademark Office as outlined in 37 CFR 1.76.
This document may be completed electronically and submitted to the Office in electronic format using the Electronic Filing System (EFS) or the document may be printed and included in a paper filed application.

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.)

Inventor Information:

Inventor 1 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Stephen	Wayne	Boyer	

Residence Information (Select One) ● US Residency ○ Non US Residency ○ Active US Military Service

City	State/Province	Country of Residence
Waltham	MA	US

Mailing Address of Inventor:

Address 1	31 Covered Bridge Lane
Address 2	
City	Wayland
State/Province	MA
Postal Code	01778
Country	US

Inventor 2 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Nagarjuna		Venna	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

City	State/Province	Country of Residence
Waltham	MA	US

Mailing Address of Inventor:

Address 1	324 Bishops Forest Drive
Address 2	
City	Waltham
State/Province	MA
Postal Code	02452
Country	US

Inventor 3 Remove

Legal Name

Prefix	Given Name	Middle Name	Family Name	Suffix
	Megumi		Ando	

Residence Information (Select One) ◉ US Residency ○ Non US Residency ○ Active US Military Service

PTO/AIA/14 (02-18)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

City	Cambridge	State/Province	MA	Country of Residence	US

Mailing Address of Inventor:

Address 1	21 Brookline Street		
Address 2	#207		
City	Cambridge	**State/Province**	MA
Postal Code	02139	**Country**	US

All Inventors Must Be Listed - Additional Inventor Information blocks may be generated within this form by selecting the **Add** button. Add

Correspondence Information:

Enter either Customer Number or complete the Correspondence Information section below.
For further information see 37 CFR 1.33(a).

☐ **An Address is being provided for the correspondence Information of this application.**

Customer Number	051414		
Email Address		Add Email	Remove Email

Application Information:

Title of the Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM		
Attorney Docket Number	BST-004C2	**Small Entity Status Claimed**	☒
Application Type	Nonprovisional		
Subject Matter	Utility		
Total Number of Drawing Sheets (if any)	4	**Suggested Figure for Publication (if any)**	

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.

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

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	051414		

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	13/240572	2011-09-22
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
13/240572	Claims benefit of provisional	61/492287	2011-06-01
Prior Application Status	Expired		Remove
Application Number	Continuity Type	Prior Application Number	Filing or 371(c) Date (YYYY-MM-DD)
13/240572	Claims benefit of provisional	61/386156	2010-09-24

Additional Domestic Benefit/National Stage Data may be generated within this form by selecting the **Add** button. Add

Foreign Priority Information:

Application Data Sheet 37 CFR 1.76	Attorney Docket Number	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

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).

Remove

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

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

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	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

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	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

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

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.

Clear

● 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	BitSight Technologies, Inc.		
Mailing Address Information For Applicant:			
Address 1	111 Huntington Avenue		
Address 2	Suite 2010		
City	Boston	**State/Province**	MA
Country	US	Postal Code	02199
Phone Number		Fax Number	
Email Address			

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

Assignee Information including Non-Applicant Assignee 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.

PTO/AIA/14 (02-18)
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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

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.

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Application Data Sheet 37 CFR 1.76	Attorney Docket Number	BST-004C2
	Application Number	
Title of Invention	INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM	

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ABSTRACT

A method and system for creating a composite security rating from security characterization data of a third party computer system. The security characterization data is derived from externally observable characteristics of the third party computer system. Advantageously, the composite security score has a relatively high likelihood of corresponding to an internal audit score despite use of externally observable security characteristics. Also, the method and system may include use of multiple security characterizations all solely derived from externally observable characteristics of the third party computer system.

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CLAIMS

1. A method of evaluating information security of a third party computer system, the method comprising:

collecting at least two security characterizations of the third party computer system;

generating a composite security rating using the at least two security characterizations;

wherein the two security characterizations are derived from externally observable characteristics of the third party computer system.

2. A method of Claim 1, wherein each of the security characterizations is from an associated one of a plurality of independent entities.

3. A method of Claim 2, wherein the independent entities include commercial data sources.

4. A method of Claim 2, wherein the security characterizations include at least two data types.

5. A method of Claim 4, wherein the data types include at least one of breach disclosures, block lists, configuration parameters, malware servers, reputation, suspicious activity, spyware, white lists, compromised hosts, malicious activity, spam activity, vulnerable hosts, phishing, or e-mail viruses.

6. A method of Claim 1, wherein the security characterizations are derived without permission of the third party computer system.

7. A method of Claim 1, wherein the externally observable characteristics evidence internal security controls.

8. A method of Claim 1, wherein the externally observable characteristics are outcomes.

9. A method of Claim 1, wherein the externally observable characteristics evidence operational execution of security measures of the third party computer system.

10. A method of Claim 1, wherein the externally observable characteristics include serving of malicious code.

11. A method of Claim 1, wherein the externally observable characteristics include communications with known attacker controlled networks.

12. A method of Claim 1, wherein collecting the data and generating the ratings are repeated to generate a series of ratings.

13. A method of Claim 11, further comprising determining a trend from the series of ratings.

14. A method of Claim 12, further comprising reporting the ratings.

15. A method of Claim 13, wherein reporting includes reporting a warning based on a change in the ratings.

16. A method of Claim 14, wherein reporting includes posting the ratings and warning to a web portal.

17. A method of Claim 1, wherein collecting the security characterizations includes using tools such as WGET, RSYNC or proprietary and manual methods..

18. A method of Claim 1, further comprising mapping the third party computer system to an IP space and using the IP space for collecting the security characterizations.

19. A method of Claim 18, wherein mapping includes querying a regional internet registry.

20. A method of Claim 19, wherein querying includes submitting an entity name.

21. A method of Claim 20, wherein submitting the entity name includes submitting spelling variations of the entity name.

22. A method of Claim 18, wherein mapping includes using a domain name associated with the third party computer system.

23. A method of Claim 22, wherein mapping includes using a dig tool on the domain name to determine a published IP address.

24. A method of Claim 23, wherein mapping includes probing addresses around the published IP address.

25. A method of Claim 24, wherein probing includes probing addresses in powers of 2 around the published IP address.

26. A method of Claim 22, wherein mapping includes adapting the domain name with server naming conventions.

27. A method of Claim 26, wherein mapping includes using nslookup to verify an IP address associated with the domain name.

28. A method of Claim 1, wherein generating the composite security rating includes assessing a vulnerability and resilience of the third party computer systems.

29. A method of Claim 28, wherein vulnerability includes a number of IP addresses with malicious behavior.

30. A method of Claim 28, wherein resilience is inversely proportional to a duration of malicious behavior.

31. A method of Claim 18, wherein the IP space includes a plurality of IP addresses.

32. A method of Claim 31, further comprising determining at least one badness score for each of the IP addresses.

33. A method of Claim 32, wherein the badness score corresponds to an intensity and duration of malicious activity determined from one of the security characterizations.

34. A method of Claim 33, wherein generating the composite security rating includes aggregating a plurality of badness scores.

35. A method of Claim 34, wherein generating the composite security rating includes aggregating the IP addresses associated with the third party computer system.

36. A method of Claim 31, wherein determining the badness score includes adjusting for false positives in the security characterizations.

37. A method of Claim 36, wherein adjusting for false positives includes determining occurrence of an event which includes persistent, reported activity on one of the IP addresses for a predetermined period of time.

38. A method of Claim 37, wherein adjusting for false positives includes determining an intensity of the IP address for the predetermined period of time.

39. A method of Claim 38, wherein the predetermined period of time is at least one day.

40. A method of Claim 38, wherein the predetermined period of time accounts for inactive periods.

41. A method of Claim 40, wherein the maximum inactive period is 3 days.

42. A method of Claim 38, wherein determining an intensity includes increasing intensity in proportion to a number of reporting targets from the security characterizations.

43. A method of Claim 33, wherein determining the badness score includes weighting recent events heavier than older events.

44. A method of Claim 32, wherein determining the badness score includes assigning a raw score for each of the IP addresses appearing on a block list of one of the security characterizations.

45. A method of Claim 44, wherein the block list does not delist the IP address until requested.

46. A method of Claim 45, further comprising attenuating the raw score after delisting of the IP address.

47. A method of Claim 46, wherein attenuating is at an exponential decay.

48. A method of Claim 32, wherein determining the badness score includes generating a raw score in proportion to a CIDR block size.

49. A method of Claim 35, wherein generating the composite security rating includes normalizing the aggregate of the plurality of badness scores.

50. A method of Claim 49, wherein normalizing includes normalizing based on at least one of network size or number of employees.

51. A method of Claim 32, wherein the security characterizations include non-negative information.

52. A method of Claim 1, further comprising correlating the composite security score with statistical outcomes and adjusting the step of generating based on the statistical outcomes.

53. A method of Claim 1, further comprising determining a confidence range of the composite security score.

54. A method of Claim 53, wherein the confidence range is based on redundancy of the security characterizations.

55. A method of Claim 54, wherein the confidence range is based on a size of the third party computer system.

56. A method of Claim 1, further comprising predicting future information security performance of the third party computer system using the security characterizations.

57. A method of Claim 1, further comprising determining an accuracy of each of the security characterizations.

58. A method of Claim 57, wherein determining the accuracy includes determining a level of coverage of the third party computer system by the security characterizations.

59. A system for evaluating information security of third party computer systems, the system comprising:

a data collection module configured to receive at least two security characterizations, each of the security characterizations describing a security outcome associated with one of the third party computer systems; and

a scoring module connected in communication with the data collection module and configured to use the security characterizations to generate a composite security score for the associated third party computer system;

wherein the security outcome is derived from external investigation of the associated third party computer system.

60. A system of Claim 59, wherein each of the security characterizations is from an associated one of a plurality of independent entities.

61. A system of Claim 60, wherein the independent entities include commercial data sources.

62. A system of Claim 60, wherein the security characterizations include at least two data types.

63. A system of Claim 62, wherein the data types include at least one of breach disclosures, block lists, configuration, malware servers, reputation, suspicious activity, spyware, white lists, compromised hosts, malicious activity, spam activity, vulnerable hosts, phishing, or e-mail viruses.

64. A system of Claim 59, wherein the security characterizations are derived without permission of the third party computer system.

65. A system of Claim 59, wherein the externally observable characteristics evidence internal security controls.

66. A system of Claim 59, wherein the externally observable characteristics are outcomes.

67. A system of Claim 59, wherein the externally observable characteristics evidence operational execution of security measures of the third party computer system.

68. A system of Claim 59, wherein the externally observable characteristics include serving of malicious code.

69. A system of Claim 59, wherein the externally observable characteristics include communications with known attacker controlled networks.

70. A system of Claim 59, wherein the scoring module is configured to generate a series of ratings.

71. A system of Claim 70, further comprising a trend module configured to determine a trend from the series of ratings.

72. A system of Claim 71, further comprising a reporting module configured to report the ratings.

73. A system of Claim 72, wherein the reporting module is configured to report a warning based on a change in the ratings.

74. A system of Claim 74, wherein the reporting module is configured to post the ratings and warning to a web portal.

75. A system of Claim 59, wherein the data collection module is configured to collect the security characterizations includes using tools such as WGET, RSYNC or proprietary and manual methods.

76. A system of Claim 59, further comprising a mapping module configured to map the third party computer system to an IP space and use the IP space for collecting the security characterizations.

77. A system of Claim 76, wherein the mapping module is further configured to submit a query a regional internet registry.

78. A system of Claim 77, wherein the query includes an entity name.

79. A system of Claim 78, wherein the query includes spelling variations of the entity name.

80. A system of Claim 76, wherein the mapping module is configured to obtain a domain name associated with the third party computer system.

81. A system of Claim 80, wherein the mapping module is configured to use a dig tool on the domain name.

82. A system of Claim 81, wherein the mapping module is configured to probe addresses around the published IP address.

83. A system of Claim 82, wherein the mapping module is configured to probe addresses in powers of 2 around the published IP address.

84. A system of Claim 80, wherein the mapping module is configured to adapt

the domain name with server naming conventions.

85. A system of Claim 84, wherein the mapping module is configured to use nslookup to verify an IP address associated with the domain name.

86. A system of Claim 59, the scoring module is configured to assess a vulnerability and resilience of the third party computer systems.

87. A system of Claim 86, wherein the vulnerability includes a number of IP addresses with malicious behavior.

88. A system of Claim 86, wherein the resilience is inversely proportional to a duration of the malicious behavior.

89. A system of Claim 76, wherein the IP space includes a plurality of IP addresses.

90. A system of Claim 89, further comprising a badness module configured to determine a badness score for each of the IP addresses.

91. A system of Claim 90, wherein the badness score corresponds to an intensity and duration of malicious activity determined from one of the security characterizations.

92. A system of Claim 91, wherein the scoring module is configured to aggregate a plurality of the badness scores.

93. A system of Claim 92, wherein the scoring module is further configured to aggregate the IP addresses associated with the third party computer system.

94. A system of Claim 90, wherein the badness module is further configured to adjust for false positives in the security characterizations.

95. A system of Claim 94, wherein the badness module is further configured to determine an occurrence of an event which includes persistent, reported activity on one of the IP addresses for a predetermined period of time.

96. A system of Claim 95, wherein the badness module is configured to determine an intensity of the IP address for the predetermined period of time.

97. A system of Claim 96, wherein the predetermined period of time is a day.

98. A system of Claim 96, wherein the predetermined period of time accounts for inactive periods.

99. A system of Claim 98, wherein the maximum inactive period is a configurable number.

100. A system of Claim 96, wherein the intensity is in proportion to a number of

reporting targets from the security characterizations.

101. A system of Claim 91, wherein the badness module is configured to weight recent events heavier than older events.

102. A system of Claim 90, wherein the badness module is configured to assign a flat score for each of the IP addresses appearing on a block list of one of the security characterizations.

103. A system of Claim 102, wherein the block list does not delist the IP address until requested.

104. A system of Claim 103, wherein the badness module is configured to attenuate the flat score after delisting of the IP address.

105. A system of Claim 104, wherein the badness module is configured to attenuate the flat score at an exponential decay.

106. A system of Claim 90, wherein the badness module is configured to determine the badness score by generating a flat score in proportion to a CIDR block size.

107. A system of Claim 93, wherein the scoring module is configured to normalize the aggregate of the plurality of badness scores.

108. A system of Claim 107, wherein the scoring module is configured to normalize based on at least one of network size or number of employees.

109. A system of Claim 90, wherein the security characterizations include non-negative information.

110. A system of Claim 59, further comprising an accuracy module configured to correlate the composite security score with statistical outcomes and adjust the scoring module to account for the correlation.

111. A system of Claim 59, further comprising a confidence module configured to determine a confidence range of the composite security score.

112. A system of Claim 111, wherein the confidence range is based on redundancy of the security characterizations.

113. A system of Claim 112, wherein the confidence range is based on a size of the third party computer system.

114. A system of Claim 59, further comprising a predictive module configured to predict future information security performance of the third party computer system using the security characterizations.

115. A system of Claim 59, further comprising an accuracy module configured to determine an accuracy of each of the security characterizations.

116. A system of Claim 115, wherein the accuracy module is configured to determine a level of coverage of the third party security system using the security characterizations.

117. A method of evaluating information security of a third party computer system, the method comprising:

collecting at least one security characterization of the third party computer system;

generating a composite security score using the at least one security characterization;

wherein the at least one security characterization is derived from externally observable characteristics of the third party computer system; and

wherein the composite security score has a relatively high likelihood of corresponding to an internal audit score.

118. A method of Claim 117, further comprising one or more of a plurality of the methods of Claims 2-58.

119. A system for evaluating information security of third party computer systems, the system comprising:

a data collection module configured to receive at least one security characterization, the security characterization describing a security outcome associated with one of the third party computer systems; and

a scoring module connected in communication with the data collection module and configured to use the security characterization to generate a composite security score for the associated third party computer system;

wherein the security outcome of the security characterization is derived from external investigation of the associated third party computer system;

wherein the composite score has a relatively high likelihood of corresponding to an internal audit score.

120. A system of Claim 119, further comprising one or more of a plurality of the systems of Claims 59-116.

INFORMATION TECHNOLOGY SECURITY ASSESSMENT SYSTEM

ACKNOWLEDGEMENT

This invention was made with government support under 1127185 awarded by the National Science Foundation. The government has certain rights to this invention.

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application claims priority to U.S. Prov. Pat. App. No. 61/386,156 entitled "Enterprise Information Security Score" and filed on Sept. 24, 2010; and 61/492,287 entitled "Information Technology Security Assessment System" and filed on June 1, 2011 which are hereby incorporated herein in their entirety by reference.

BACKGROUND

The present invention relates to systems for determining the security of information systems and, in particular, for evaluating the security of third-party computer systems.

When a company wants to reduce its cyber security risk of doing business with another company's computer systems, it either performs, or hires an outside firm to perform, a cyber security assessment of the other company to determine if it is following good security practices. The theory is that these good practices make it difficult for attackers to compromise the networks of the other company. If the auditing company is satisfied with the assessment, it may choose to continue doing business with the other company. Or, it may ask the other company to make some improvements to its security systems or terminate the business relationship.

Generally, these audits are slow, expensive and impractical given the high volume of service provider security systems that need to be characterized by the company. And, the inventors have noted that audits are not entirely predictive of the performance of the security systems.

SUMMARY

A method and system is disclosed for creating a composite security rating from security characterization data of a third party computer system. The security

characterization data is derived from externally observable characteristics of the third party computer system. Advantageously, the composite security rating has a relatively high likelihood of corresponding to an internal audit score despite use of externally observable security characteristics. Also, the method and system may include use of multiple security characterizations all solely derived from externally observable characteristics of the third party computer system.

A method of evaluating information security of a third party computer system is disclosed. The method includes collecting at least two security characterizations of the third party computer system. A composite security rating is generated using the at least two security characterizations. Advantageously, the two security characterizations are derived from externally observable characteristics of the third party system.

Each of the security characterizations may be from an associated one of a plurality of independent entities. For example, the independent entities may include commercial data sources. Also, the security characterizations may be derived without permission of the third party system.

The security characterizations may include multiple data types, such as breach disclosures, block lists, configuration parameters, malware servers, reputation metrics, suspicious activity, spyware, white lists, compromised hosts, malicious activity, spam activity, vulnerable hosts, phishing, user-behavior or e-mail viruses. The externally observable characteristics may also include serving of malicious code or communications with known attacker controlled networks.

The externally observable characteristics may be evidence of internal security controls or outcomes or operational execution of security measures of the third party computer system.

The collecting and generating steps may be repeated to generate a series of scores and the series examined to determine a trend. Also, the scores may be reported to a consumer. For instance, reporting may include reporting a warning based on a change in the scores. Or, reporting may include posting the score and warning to a web portal.

Collecting the security characterizations may include using various tools such as WGET, RSYNC, CURL or interfaces that may be characterization specific.

The method may also include mapping the third party computer system to an IP space and using the IP space for collecting the security characterizations. Mapping, for

example, may include querying a Regional Internet Registry (RIR), such as by submitting an entity name to the RIR. Querying an entity name may include querying for variations of the entity name.

Mapping may also include using a domain name associated with the third party computer system. For example, tools such as nslookup or dig may be used on the domain name to determine a published IP address. Mapping may also include probing addresses around the published IP address. For example, IP addresses could be probed in powers of two around the published IP address. Mapping could also include adapting the domain name to server naming conventions and using tools like nslookup to verify an IP address associated with the domain name.

Generating the composite security rating may include assessing vulnerability and resilience of the third party computer systems. Vulnerability, for example, may include a number of IP addresses with malicious behavior. Resilience may be inversely proportional to a duration of malicious behavior.

The IP space may include a plurality of IP addresses. And, the composite security rating may correspond to an intensity and duration of malicious activity determined from one of the security characterizations. Generation of the composite security rating may include aggregation of a plurality of individual security metrics and/or the IP addresses associated with the third party computer system.

Determination of the individual security metric may include adjusting for false positives in the security characterizations. Correlating data across multiple related security characterizations may help improve the quality of any single security characterization. Further, adjusting for false positives may include determining an occurrence of an event, which includes persistent, reported activity on one of the IP addresses for a predetermined period of time. It may also include determining an intensity of the IP address for the predetermined period of time, such as a day.

Determining the intensity may include increasing intensity in proportion to a number of reporting targets from the security characterizations.

Determining an individual security metric may include assigning a raw score for each of the IP addresses appearing on a block list as one of the security characterizations. After an IP address is delisted, the raw score may be exponentially attenuated.

The individual security metric may also incorporate a raw score in proportion to a

CIDR block size.

Individual security metrics or the composite ratings may be normalized based on, for example, network size or a number of employees.

Security characterizations may also include positive information about an organization that's aggregated into the composite rating.

The method could also include statistically correlating the composite security rating with actual outcomes and adjusting the generating step based on the statistical correlations.

Further, the method may include determining a confidence range of the composite security rating. For example, the confidence range may be based on a redundancy of the security characterizations or a size of the third party computer system.

The method may also include determining an accuracy of each of the security characterizations, such as by determining a level of coverage of the third party computer system by the security characterizations.

Also disclosed herein are a system and computer program product for data collection and scoring, including systems and software for performing the methods described above.

Another method may include generating a composite security rating using at least one security characterization that's derived from externally observable characteristics of the third party computer system wherein the composite security rating has a relatively high likelihood of corresponding to an internal audit score.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

Figure 1 is a schematic of a system for evaluating information security;
Figure 2 is a schematic of a system for gathering security data from external sensors;
Figure 3 is a schematic of a composite security rating calculation; and
Figure 4 is a schematic of a distributed system for evaluating information security.

DETAILED DESCRIPTION

Generally, the present invention includes a method, system and computer program product for creating composite security ratings from security characterization data of a third party computer system. The security characterization data is derived from externally observable characteristics of the third party computer system. Advantageously, the composite security rating has a relatively high likelihood of corresponding to an internal

audit score despite use of externally observable security characteristics. Also, the method and system may include use of multiple security characterizations all solely derived from externally observable characteristics of the third party computer system.

The terminology used herein is for the purpose of describing particular embodiments only and is not intended to be limiting of the invention. As used herein, the singular forms "a", "an" and "the" are intended to include the plural forms as well, unless the context clearly indicates otherwise. It will be further understood that the terms "comprises" and/or "comprising," when used in this specification, specify the presence of stated features, integers, steps, operations, elements, and/or components, but do not preclude the presence or addition of one or more other features, integers, steps, operations, elements, components, and/or groups thereof.

The corresponding structures, materials, acts, and equivalents of all means or step plus function elements in the claims below are intended to include any structure, material, or act for performing the function in combination with other claimed elements as specifically claimed. The description of the present invention has been presented for purposes of illustration and description, but is not intended to be exhaustive or limited to the invention in the form disclosed. Many modifications and variations will be apparent to those of ordinary skill in the art without departing from the scope and spirit of the invention. The embodiment was chosen and described in order to best explain the principles of the invention and the practical application, and to enable others of ordinary skill in the art to understand the invention for various embodiments with various modifications as are suited to the particular use contemplated.

Any combination of one or more computer readable medium(s) may be utilized. The computer readable medium may be a computer readable signal medium or a computer readable storage medium. A computer readable storage medium may be, for example, but not limited to, an electronic, magnetic, optical, electromagnetic, infrared, or semiconductor system, apparatus, or device, or any suitable combination of the foregoing. More specific examples (a non-exhaustive list) of the computer readable storage medium would include the following: an electrical connection having one or more wires, a portable computer diskette, a hard disk, a random access memory (RAM), a read-only memory (ROM), an erasable programmable read-only memory (EPROM or Flash memory), an optical fiber, a portable compact disc read-only memory (CD-ROM), an optical storage device, a magnetic

storage device, or any suitable combination of the foregoing. In the context of this document, a computer readable storage medium may be any tangible medium that can contain, or store a program for use by or in connection with an instruction execution system, apparatus, or device.

A computer readable signal medium may include a propagated data signal with computer readable program code embodied therein, for example, in baseband or as part of a carrier wave. Such a propagated signal may take any of a variety of forms, including, but not limited to, electro-magnetic, optical, or any suitable combination thereof. A computer readable signal medium may be any computer readable medium that is not a computer readable storage medium and that can communicate, propagate, or transport a program for use by or in connection with an instruction execution system, apparatus, or device.

Program code embodied on a computer readable medium may be transmitted using any appropriate medium, including but not limited to wireless, wireline, optical fiber cable, RF, etc., or any suitable combination of the foregoing.

Computer program code for carrying out operations for aspects of the present invention may be written in any combination of one or more programming languages, including an object oriented programming language such as Java, Smalltalk, C++ or the like and conventional procedural programming languages, such as the "C" programming language or similar programming languages. The program code may execute entirely on the user's computer, partly on the user's computer, as a stand-alone software package, partly on the user's computer and partly on a remote computer or entirely on the remote computer or server. In the latter scenario, the remote computer may be connected to the user's computer through any type of network, including a local area network (LAN) or a wide area network (WAN), or the connection may be made to an external computer (for example, through the Internet using an Internet Service Provider).

Aspects of the present invention are described below with reference to flowchart illustrations and/or block diagrams of methods, apparatus (systems) and computer program products according to embodiments of the invention. It will be understood that each block of the flowchart illustrations and/or block diagrams, and combinations of blocks in the flowchart illustrations and/or block diagrams, can be implemented by computer program instructions. These computer program instructions may be provided to a processor of a general purpose computer, special purpose computer, or other programmable data

processing apparatus to produce a machine, such that the instructions, which execute via the processor of the computer or other programmable data processing apparatus, create means for implementing the functions/acts specified in the flowchart and/or block diagram block or blocks.

These computer program instructions may also be stored in a computer readable medium that can direct a computer, other programmable data processing apparatus, or other devices to function in a particular manner, such that the instructions stored in the computer readable medium produce an article of manufacture including instructions which implement the function/act specified in the flowchart and/or block diagram block or blocks.

The computer program instructions may also be loaded onto a computer, other programmable data processing apparatus, or other devices to cause a series of operational steps to be performed on the computer, other programmable apparatus or other devices to produce a computer implemented process such that the instructions which execute on the computer or other programmable apparatus provide processes for implementing the functions/acts specified in the flowchart and/or block diagram block or blocks.

Referring again to Fig. 1, a system 10 for evaluating information security of a third party computer system includes the following systems: a global data source 12, an entity ownership collector 14, a data collection processor 16, a data collection management 18, a data archive 20, an entity database 22, a manual entity input 24, an entity data join process 26, an entity mapped meta-reports repository 28, a ratings processing 30, a normalization, consolidation and global relative rank 32, a report generation 34, a report archive 36 and a report delivery 38 systems. Different delivery modules 40 are configured to use different methods to deliver the reports to customers 42.

The global data source system 12 obtains data sources that characterize any observation about an entity (e.g., a third party computer system) and these sources can be highly varied and disparate. Each data source has a particular vantage point of the security related characteristics of entities.

The entity ownership collection system 14 gathers information about an entity. This includes information about which IT assets an entity owns, controls, uses, or is affiliated with. Examples of asset ownership include control and operation of an Internet Protocol (IP) network address range or computer services such as web servers residing within that address block. Information about entities also includes relationships such as subsidiaries,

affiliates, etc., that describe entity association.

The data collection processing system 16 includes custom modules configured to collect and process unique data sources.

The data collection management system 18 is configured to schedule and coordinate the constant collection of the different data sources.

The data archive 20 is configured to store all of the terabytes of data constantly collected by the data collection management system 18.

The entity database 22 holds all of the information about an entity such as its name, address, web site address, industry sector, IP address ranges owned, etc. This data base includes the "Entity Map" which maps data back to an entity. For example, if observations are made about a particular IP address, the IP address can be looked up in the entity map to determine which entity controls or owns that address. This database is populated by automatic or manual data collection methods, or combinations thereof.

The manual entity input system is configured to place non-automatic data on an entity into the entity database 22.

The entity data join process or system 26 is configured to match the collected data to the entity. In most instances, this is a computationally expensive operation because it requires going though all of the data collected and performing the map operation. Any evidence of security outcomes or configurations in the larger data collection pool is then assigned to an entity based on the entity map.

The entity mapped meta-reports repository 28 contains data summaries of observations made with respect to a particular entity for each data set after the map/join process is complete.

The ratings processing system 30 may include custom models for applying data source specific ratings to determine an entity rating. Each data source generally requires a custom model due to the unique nature of that data source. Each model accounts for the custom attributes and idiosyncrasies of the different data sources that have been mapped to the entity being rated. Custom data source models can account for any data source feature including temporal and cross-data source behaviors.

The ratings normalization, cross-validation, and relative ranking system 32 is configured to normalize ratings so appropriate entity-to-entity comparisons can be made and the ratings are normalized and ranked within sectors or peer-groups and globally.

An entity and rating analytics repository or archive 36 is configured to hold all of the ratings data and resulting analytics produced by the ratings process.

A report generation system 34 takes the ratings and analytics and generates report objects. These objects are not rendered into any particular presentation format at this stage but are in a generic intermediary format that can be then transformed into a specific deliverable format.

A report delivery system 38 is configured to translate generic reports into a specific report format. Examples of these formats include HTML, PDF, text, and XML. Delivery modules 40 are different methods for delivering the reports include by web portal, API or data feed.

Advantages include ratings based on the quality of outcomes of the information security practices of the third party computer systems and enablement of comparisons of ratings across organizations. The system 10 can be entirely, or to a large extent, automated and need not have the permission of the entity being rated. The reports will allow risk management professionals to monitor, assess and mitigate partner risk by up-to-date ratings due to its persistent monitoring of the third party computer systems. Also, the portal may provide for location of new partners, such as suppliers, with lower risk profiles and improved security postures.

Unlike internal audit systems, the system 10 is not relying upon a correlation between practices and outcomes. Instead, evidence of actual security outcomes is collected through the data source partners.

Also advantageously, trial data on 50 entities revealed that rankings produced using the system 10 matched internal evaluations. In some cases the system 10 revealed problems with the entities not revealed by internal evaluations.

Data Sources

External ratings from data sources available outside an entity provide an information security based view into internal workings of the organization. For example, infection by malicious software can be determined using non-invasive website scanning technology. Communication between the entity computer system and known attacker controlled networks may reveal when the computer system has been compromised. Also, if an entity computer system is serving malicious code to visitors the system was compromised at some

point. The entity may not have the capability to detect such compromises or cannot quickly react operationally to resolve the issue. External observations also can measure operational execution, which may not occur despite good internal policies.

A diverse set of network sensors and services around the Internet collect and observe information about the third party entity computer systems. The system 10 then gathers, processes, and stores the data collected about entities from the sensors and service providers using custom developed data source specific collection processors. The collection manager 18 automates the scheduling and execution of the different collectors.

The global data source system 12 includes hundreds of potential data sources, including, for example during experimental testing, 97 data sources owned by 37 organizations. At least 82 data sources are on active collection, being stored on the data archive 20. Trial ratings were performed on at least 11 data sources from 7 organizations. Rankings were produced on nearly 600 different entities.

A data source is a single type of data from a single organization. For example, if two organizations provide a list of hosts that participate in phishing attacks, they are counted as two data sources. The 15 types of data in Table 3 all provide different information security related views of an organization. New types of data and new sources of existing data types are constantly added to the data sources used to characterize the performance of the entity. Breach disclosures for example indicate that an organization has experienced a particular kind of data or integrity breach. Configuration data on the other hand provides any number of configuration related information and could for example state the type of encryption used on the organization's website.

Table 1 Data Sources Summary

Total Data Sources	97
Total Sourcing Organizations	37
Total Sources on Active Collection	82
Total Different Source Types	15

Table 3 Data Source Types

Breach Disclosures	Spam Activity

Block Lists	Vulnerable Hosts
Configuration Parameters	Spyware
Compromised Hosts	Whitelists
Malicious Activity	Email viruses
Malware Servers	Multi-type
Reputation	Phishing
Suspicious Activity	User Behavior

Of the 97 data sources identified, 82 are on "Active Collection" meaning there is a method for obtaining the data source and that its collection is automated. The high degree of automation helps to satisfy the methodology objective for adoption of techniques that are principally automated.

Table 2 lists the 6 collections methods employed for data acquisition with the "Unknown" category meaning that the sources are identified but the method and ability to collect that data source has yet be determined. The method Instances are the number of data sources that are collected using that particular method. For example, 32 of the sources are collected using the network file transfer and synchronization tool rsync (http://samba.anu.edu.au/rsync/).

Table 2 Data Collection Methods

Methods	Instances	Methods	Instances
WGET	35	WHOIS	1
RSYNC	32	HTTP GET	1
API	13	UNKNOWN	9
MANUAL	6		

A collection processing infrastructure 50, configured to build and validate composite security ratings, is shown in Fig. 2. A plurality of different clouds represents different network segments. Rated Entity clouds 52 are organizations for which the system 10 generates a rating. Those entities include an entity perimeter or boundary, indicated by the firewall that connects to the Internet. Services clouds 54 provide data or reports on observed activity from a rated entity 52. An example of a report from a Service 54 could be a list of hosts that have been participating in malicious activity. Services use Sensor networks 56 to

observe the behavior of entities. For example, a sensor could observe SPAM messages sent from a rated entity network 52 to the Internet 58.

Entity Mapping

There is no single central repository that holds information about the IP address allocation. Determining the correct and complete IP address space owned by a given entity improves the reliability and robustness of a rating.

In general, Regional Internet Registries (RIRs) manage the allocation and registration of Internet number resources (IP Addresses, Autonomous System Numbers, etc.) within a particular region of the world. There are five RIRs - ARIN for North America, AfriNIC for Africa, APNIC for Asia Pacific, RIPE for Europe, Middle East, Central Asia, and LACNIC for Latin America.

The RIRs allocate the address space to service providers, corporations, universities, etc. The RIRs provide various interfaces that enable queries of the RIR to determine who owns a given IP address. It is also possible to query the database by an entity name and get a list of IP addresses allocated to that entity. Despite lack of standardization of entity names in the RIR databases, well chosen queries can result in a very high coverage of addresses owned by an entity.

Another problem is that RIRs often allocate large chunks of addresses to Internet Service Providers (ISPs) who go on to allocate smaller address spaces to their customers. ISPs are under no obligation to report this data back to anyone. Most small companies contract with their local ISP for Internet access and don't obtain addresses from RIRs.

These problems are addressed by the entity ownership collection system 14 being configured to execute various heuristic processes including the following non-limiting list of examples:

1. Using the 'dig' (http://linux.die.net/man/1/dig) tool to determine any IP information published by an entity. The dig tool takes the domain name of the entity as an argument. For example, execution of 'dig a.com ANY' returns all IP information published by the entity a.com.

2. Use the IP addresses and domain names published to find ranges of IP addresses actually used. ISPs almost always allocate addresses in size of powers of 2 (2, 4, 8 etc.). Knowing one IP address allows probing around that space. The 'whois'

(http://linux.die.net/man/1/whois) tool can be used to determine ownership of neighborhood addresses.

3. Even if the entity does not publish any IP information that can be retrieved through dig, most entities have servers whose names may be guessed. Mail servers for the domain a.com often have the name mail.a.com, SMTP servers tend to be smtp.a.com, FTP servers tend to be ftp.a.com etc. Using a tool like nslookup, the entity ownership collection system 14 can verify if any of these common names are in use by the entity.

4. If an IP address is found, the system 14 is configured to probe around the address (such as in step 2) to determine any addresses in the neighborhood owned by that entity.

5. Searching around the website of the company often gives a hint of other servers hosted by the company (ex: reports.a.com) which can be used as a starting point for search.

Rating Methodology

Organizational security risk may be measured along two vectors: vulnerability and resilience. An entity's vulnerability is defined as its "physical, technical, organizational, and cultural states," which can be exploited to create a security breach. An entity's resilience is defined to be its ability to recover from a security breach.

The system 10 uses the concepts of vulnerability and resilience by examining externally observable proxies for them. An example proxy for entity vulnerability is the number of entity-owned IP addresses, which are reported to be malicious. The higher the number of reports the more likely the entity was vulnerable and had been compromised. Resilience is inversely proportional to the duration of detected malicious activity. The shorter the duration of the malicious activity, the higher level of resilience the entity demonstrates as it can quickly identify and remove malicious infections.

To compute the ratings for an entity, the system 10 aggregates all of the data collected pertaining to the IT assets owned by that organization, such as the IP addresses controlled by the entity and the associated activity of those IP addresses. The types of activities depend on the types of data. The data sources may include false positives and the system 10 is configured to account for those uncertainties.

To determine quality metrics for IP address based assets, every IP address is uniquely mapped to an entity. Processing the data from a data source yields a list of IPs for each organization that has demonstrated suspicious or malicious behavior. The processing

steps are as follows:

1. For each IP address, determine a security quality metric called "badness".
2. Badness is a number between 0 and 1 that corresponds to the extent and duration of malicious activity that was reported.
3. For each data source in which the IP address is reported, determine a data source specific badness score for that IP.
4. Consolidate the badness score for a given IP across all data sources by cross validating data to determine the aggregate Badness for that IP.
5. Aggregate the badness scores of IPs from an entity to determine the entity's IP asset based security quality metric.

The ratings processing system 30 is configured to account for differences in data sources and types. Given each data source's potentially unique view of an entity, there is not a universal technique that treated them all the same way. Data source specific modeling techniques, for example, were developed for 11 of the 97 data sources in experimental trials in order to demonstrate feasibility and validate the approach. The data sources incorporated accounted for five different data source types: Block Lists, Suspicious Activity, Malicious Servers, Compromised Hosts, and Spamming.

The following two sections give detailed examples of modeling techniques developed for calculating IP address badness for two different data sources that are representative of the data collected.

One of the data sources is a daily updated list of IP addresses that were reported by volunteer hosts from across the Internet. IP Addresses are reported in this data source if they have communicated with hosts that do not expect any inbound communication from them. It lists many more IP addresses on a given day compared with the other data sources and therefore, provides a significant amount of information contained only in this data source. However, this data source has a high incidence of false positives, where a false positive is an unwarranted report due to an incorrectly configured reporting host (i.e., the target) or a listing of an incorrect IP address due to backscatter.

False positives are accounted for by identifying events – where an event is defined as persistent, reported activity on a single IP address within a time period. For each event, heuristics are applied to determine the average intensity for the event. The intensity of an IP address on a given day is a measure of the confidence that malicious activity originated

from the IP address on that day.

For the case where an event spans multiple days, the IP address is generally reported on each day in the event. However, if an IP address is listed on one day but not the next, this omission does not necessarily signify that the host has stopped its malicious behavior; rather, it could be that the host was offline for the day. For example, many corporate hosts are offline for weekends and holidays. Thus, an event is allowed to have short inactive periods, or days without any reports on the IP address. To generate the IP address quality metric, a maximum inactive period of three days is used.

The intensity of an IP address for a given day is calculated dynamically and increases both with the number of reporting targets as well as the duration of the event. Reports with a larger number of targets have larger intensities. This is because false positives due to mis-configured hosts are less likely to have occurred when multiple targets report the same IP address on the same day. Likewise, reports that belong to a persistent event have larger intensities, since persistent reports also signal the legitimacy of the malicious activity on the IP address.

The intensity, I(s) is calculated as follows:

$$I(s) = \begin{cases} 0.1, & if\ s < 2 \\ 0.01e^{\frac{\ln(10)(s-1)}{4}}, & if\ 2 \le s < 5 \\ 0.8 - 0.7e^{-\frac{\ln(10)(s-5)}{4}}, & if\ s \le 5 \end{cases}$$

where s is the number of hosts reporting the IP address. Thus, the average intensity, I_{avg}, of an event is the average of the intensities calculated per active day (a day with reports) and is determined as follows:

$$I_{avg} = \frac{I(s)}{T} + \frac{A \cdot I_{prev}}{T},$$

where T is the list time, A is T minus the number of days since the last update, and I_{prev} is the average intensity at the last update. The Badness, B_{IP}, of an IP address is derived from the intensity and duration of the events for the IP, such that recent events are weighted heavier than historical events and is calculated as follows:

$$B_{IP} = min(1, \frac{I_{avg}(1-e^{-0.02})}{1-e^{-0.12}} \sum_{t_1}^{t_n} e^{-0.02}),$$

where t_1 and t_n denote time lapsed from the end and beginning of an event, respectively; and

the average intensity is readjusted if the persistence surpasses a threshold.

The second data source example is a host block list that lists IP addresses that have been compromised. Based on an analysis of the data sources collection methods, the block list is considered very reliable in the sense that a listing implies that malicious activity originated from the listed address. This block list removes IP addresses from the list if no malicious activity is detected for a small window of time. Because of the high confidence in the data source's accuracy, any IP address on the block list is assigned a raw Badness of 0.8.

Once an IP address is delisted and is no longer on the block list, its Badness decays exponentially with respect to the time since it was last listed. Thus, the Badness is:

$$B_{IP} = 0.8e^{-\frac{\ln(2)T}{182.625}},$$

where T is the time in days since the last listing. This decay rate corresponds to a half-life of six months.

Various other data sources are handled similarly but the raw score is based on the confidence in the data source's collection methods. Other data sources track CIDR blocks as opposed to individual IP addresses, and so the Badness assigned to a listing on these lists are weighted by the CIDR block size as follows:

$$B_{IP} = 0.8We^{-\frac{\ln(2)T}{182.625}},$$

where W is the natural log of the block size.

The total IP space badness of an entity is an aggregation of the badness of the entity's individual IP addresses and/or CIDR blocks. In the simplest model where all data sources are IP address based, the entity badness is the total badness of the IP addresses owned by the entity. To normalize ratings across entities of different sizes, the entity's network size defined as the number of active IP addresses owned by the entity is used:

$$B_{entity} = \frac{\sum_{IP \in Entity} B_{IP}}{\ln(N)},$$

where N denotes the network size. Normalizing avoids penalizing of smaller entities allowing fair comparisons between entities of differing sizes.

Enhancements to the Ratings Methodology

The system 10 may also include expanded the methodology to support additional

and different types of data sources. It could identify data sources that indicate different levels of IT sophistication - such information is a measure of the level of IT practice maturity.

Entity normalization methods can also account for differences in entity size beyond network size. For example, the use of other normalization methods such as number of employees may help produce more robust normalizations under certain circumstances.

Also, statistical properties of the model's internal parameters may be analyzed and adjust based on the findings. For example, certain inputs or features may be disproportionately skewing the ratings and such inputs or features may be modulated through weighting factors.

The composite security rating described above measured, amongst other things, how much, to what extent, and how recently malicious activity was detected on an entity's cumulative IP space. The score could also be adapted to show a level of confidence. For example, a failure to detect malicious activity on an entity's IP space does not necessarily imply non-malicious behavior. Rather, the data sources may lack coverage on the entity's IP space. By outputting a range as opposed to a number, the system 10 is able to convey its confidence in a rating where a larger range necessarily implies a lower confidence, and a smaller range necessarily implies a higher confidence.

Such a range could be computed from a mean score and a confidence range, which could be determined from a developed discrete choice model. Features such as the Badness scores from each data source could help determine the mean score. Features such as redundancy between data sources and network size could also help determine the confidence range.

Entity mapping may also be improved through other data sources and functions. Data sharing relationships with Internet Service Providers might provide additional data on security outcomes and practices at entity computer systems. Also, consumers of the scoring reports may already have partner-mapping data through the nature of their relationship with the entity or may be able to request the information.

Entity mapping may also be facilitated by persistent updates of the heuristics, such as updating prefixes from BGP announcements and data from Regional Internet Registries.

Data storage used by the system 10 may be improved to minimize the disk space required while supporting rapid inclusion of new entity ratings. For example, high-speed

data access layers may be created for daily ratings computation.

Speed and scale can be accomplished through distributed or parallel processing on different systems. A distributed data source query interface may be implemented so that massive and expensive centralized data storage is not required.

The system 10 may also be configured to develop and evaluate predictive capabilities of information security ratings and incorporate them into the rating methodology.

The ability to demonstrate predictability has a dependency on data reliability. For example, improving coverage of malicious events improves data reliability. Statistical evaluations may be used to disambiguate strong entity performance (e.g., no malicious activity) from low coverage (e.g., lack of information on the malicious activity). These evaluations can then be used in the rating methodology.

Statistical evaluations of data coverage may include a data accuracy assessment wherein levels of coverage assurance associated with a particular adopted data source are determined. Also, observations across data sources may be compared to determine data sources of high probability or low probability of coverage for a given entity.

Predictive modeling may include determination of entity historical trends to display and predict future performance. Regression and machine learning based models may be developed to predict information security performance. Models may be evaluated and further developed for predictive capability through a series of prediction experiments.

Also, the data source features may be analyzed for correlations of high and low performance. For example, entities with behavior "X" tend to perform well and entities that demonstrate property "Y" tend to behave poorly.

Use of External and Internal Security Data

The system 10 may also include internally derived security assessments. For example, such a score computation is shown in Fig. 3. The final score S_{Total} has two components, the Internal score and the External score.

The Internal score, S_{int}, is derived from data collected and observed from inside the enterprise. Data sources that provide inputs to the internal scoring function could include, but are not limited to, the following:

- Vulnerability scans
- Firewall Rules
- Incident Reports
- Configurations
- Software inventory
- Policies
- Controls
- User Behavior

The features from each of the data sources are extracted to create a feature vector. This feature vector is $X_{\text{int}} = \{InternalFeatures\}$ in the "Internal Source Score," as shown in Fig. 3. Features include, but are not limited to, derived metrics from the data sources (e.g., the number of remotely exploitable vulnerabilities from outside the entity, the number of incidents, or the number of vulnerable versions of software).

Each feature x_i in X_{INT} has a corresponding transformation function $f_{I(x_i)}(x_i)$ that performs a normalization transformation such that the resultants can be summed.

Each feature x_i in X_{INT} also has corresponding weight ω_i such that different weights can be placed on the resultant feature transformation where the sum of the weights equal is unity $\sum_{i=1}^{n} \omega_i = 1$. The sum of the transformed and weighted feature vector is computed by summing each resultant for each of the features $\sum_{i=1, x \in X_{\text{int}}}^{n} \omega_i f_{I(x_i)}(x_i)$.

The final score S_{int} is the summation normalized by a set of normalization factors given as $f_{I(x_\alpha)}(x_\alpha) + f_{I(x_\beta)}(x_\beta)$ where each normalization factor $x_\alpha, x_\beta, \ldots$ also has a factor normalization transformation function.

The computation of the Internal Score is given as: $S_{\text{int}} = \dfrac{\sum_{i=1, x \in X_{\text{int}}}^{n} \omega_i f_{I(x_i)}(x_i)}{f_{I(x_\alpha)}(x_\alpha) + f_{I(x_\beta)}(x_\beta)}$

The External Score is the combination of the Public Sources Score (S_{pub}) and the Commercial Sources (S_{com}). S_{pub} and S_{com} are derived using the same heuristic combinatorial functions as the Internal Score. However, the input data sources, weights, transformation functions and normalization factors are different.

S_{pub} and S_{com} have their own feature vectors $X_{pub} = \{PublicFeatures\}$ and $X_{com} = \{CommercialFeatures\}$ based on the data input sources used.

Data sources in X_{pub} that provide inputs to the S_{pub} score could include but are not limited to the following:

- Industry reports
- Internet monitoring web sites that publish reports (ex: *www.malwareurl.com*)
- News articles
- Court records

Data sources in X_{com} that provide inputs to the S_{com} score could include but are not limited to the following:

- Company proprietary data collected during operations
- Renesys
- Arbor Networks
- Business intelligence bought from corporations and services
- User Behavior

With the Internal and External Scores computed, the final total score is computed and the weighted sum of the three: $S_{Total} = \omega_{int} S_{int} + \omega_{pub} S_{pub} + \omega_{com} S_{com}$

It is possible that the algorithm does not have the same inputs for all entities. More information may be available for some entities compared to other entities. Given this, each data source is assigned a normalized confidence level based on how much they contribute to the computation of the enterprise score. Depending on the actual data that went into rating the company, the confidence level is assigned as a sum of the confidence levels associated with the data sources. The confidence level can be used to assign a range of scores for an enterprise. For instance, if an enterprise is rated as 750 with a confidence level of 0.8, the

entity's actual score is reported as (750 – (1 – 0.8) * 100, 750) = (730 – 750). An entity's score is deemed to be unavailable if the confidence level is below a minimum threshold of 0.5.

It should be noted that the S_{int} may be zero due to a lack of available information or permission, wherein S_{total} becomes characteristic only of externally observable characteristics. Also, characteristics for the calculation can be used in conjunction, or vice versa, with functions and aspects of the remaining systems described hereinabove and below.

Distributed System

Referring now to Fig. 4, a schematic diagram of a central server 500, or similar network entity, configured to implement a system for creating a composite security score is provided. As used herein, the designation "central" merely serves to describe the common functionality the server provides for multiple clients or other computing devices and does not require or infer any centralized positioning of the server relative to other computing devices. As may be understood from Fig. 4, the central server 500 may include a processor 510 that communicates with other elements within the central server 500 via a system interface or bus 545. Also included in the central server 500 may be a display device/input device 520 for receiving and displaying data. This display device/input device 520 may be, for example, a keyboard or pointing device that is used in combination with a monitor. The central server 500 may further include memory 505, which may include both read only memory (ROM) 535 and random access memory (RAM) 530. The server's ROM 535 may be used to store a basic input/output system 540 (BIOS), containing the basic routines that help to transfer information across the one or more networks.

In addition, the central server 500 may include at least one storage device 515, such as a hard disk drive, a floppy disk drive, a CD Rom drive, or optical disk drive, for storing information on various computer-readable media, such as a hard disk, a removable magnetic disk, or a CD-ROM disk. As will be appreciated by one of ordinary skill in the art, each of these storage devices 515 may be connected to the system bus 545 by an appropriate interface. The storage devices 515 and their associated computer-readable media may provide nonvolatile storage for a central server. It is important to note that the computer-readable media described above could be replaced by any other type of computer-readable

media known in the art. Such media include, for example, magnetic cassettes, flash memory cards and digital video disks.

A number of program modules may be stored by the various storage devices and within RAM 530. Such program modules may include an operating system 550 and a plurality of one or more (N) modules 560. The modules 560 may control certain aspects of the operation of the central server 500, with the assistance of the processor 510 and the operating system 550. For example, the modules may perform the functions described above and illustrated by the figures and other materials disclosed herein, such as collecting security characterizations 570, generating a composite rating 580, determining a trend 590, reporting the ratings 600, IP mapping 610, determining a badness quality metric 620, attenuating a raw score 630, correlating with statistical outcomes 640, determining a confidence range 650, predicting future performance 660 and determining an accuracy 670.

The flowchart and block diagrams in the figures illustrate the architecture, functionality, and operation of possible implementations of systems, methods and computer program products according to various embodiments of the present invention. In this regard, each block in the flowchart or block diagrams may represent a module, segment, or portion of code, which comprises one or more executable instructions for implementing the specified logical function(s). It should also be noted that, in some alternative implementations, the functions noted in the block may occur out of the order noted in the figures. For example, two blocks shown in succession may, in fact, be executed substantially concurrently, or the blocks may sometimes be executed in the reverse order, depending upon the functionality involved. It will also be noted that each block of the block diagrams and/or flowchart illustration, and combinations of blocks in the block diagrams and/or flowchart illustration, can be implemented by special purpose hardware-based systems that perform the specified functions or acts, or combinations of special purpose hardware and computer instructions.

The corresponding structures, materials, acts, and equivalents of all means or step plus function elements in the claims below are intended to include any structure, material, or act for performing the function in combination with other claimed elements as specifically claimed. The description of the present invention has been presented for purposes of illustration and description, but is not intended to be exhaustive or limited to the invention in the form disclosed. Many modifications and variations will be apparent to

those of ordinary skill in the art without departing from the scope and spirit of the invention. The embodiment was chosen and described in order to best explain the principles of the invention and the practical application, and to enable others of ordinary skill in the art to understand the invention for various embodiments with various modifications as are suited to the particular use contemplated.

18
10
1
Global Data Sources 12
2
Entity ownership 14 collection
3
Data Collection Processing
Source specific collection modules
Source 1
Source 2
Source 3
Source 4
16
4
Data collection mgmt.
5
Collected data archive 20
6
Entity Database 22
7
Manual Entity Input 24
8
Entity Data Join Process 26
9
28
10
Ratings Processing
Source specific models
30
11
Normalization, cross-validation, & global relative rank 32
12
Entity Ratings & Analytics
13
Report Generation 34
Report Archive 36
14
Report Delivery 38
Deliver interface (Portal) 40
Deliver interface (API)
Deliver interface (Data feed)
Customers 42

FIG. 1

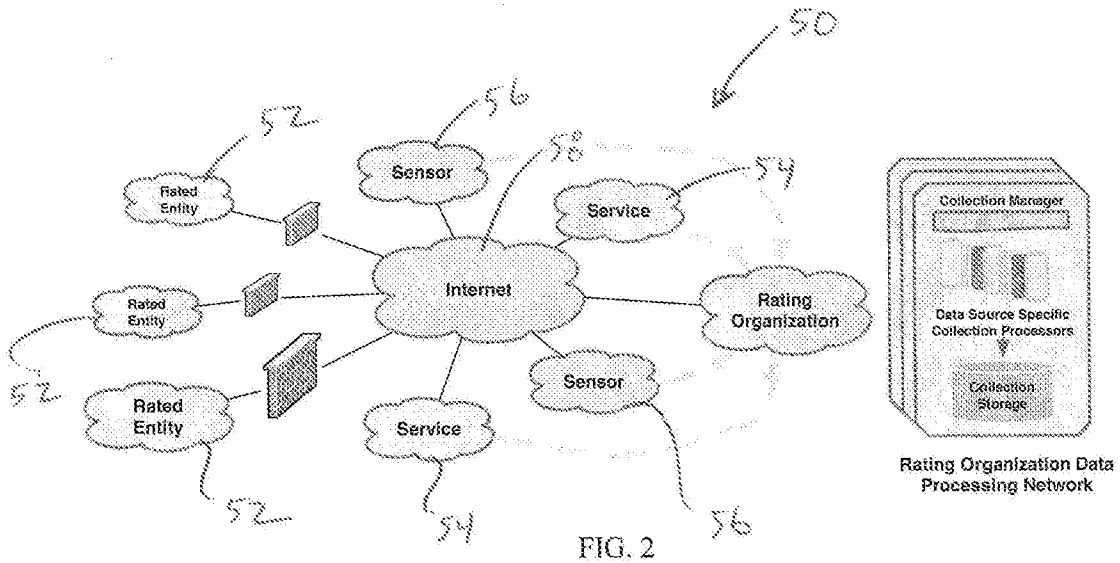

50
52
56
58
54
Rated Entity
Sensor
Service
Internet
Rating Organization
Collection Manager
Data Source Specific Collection Processors
Collection Storage
Rating Organization Data Processing Network

FIG. 2

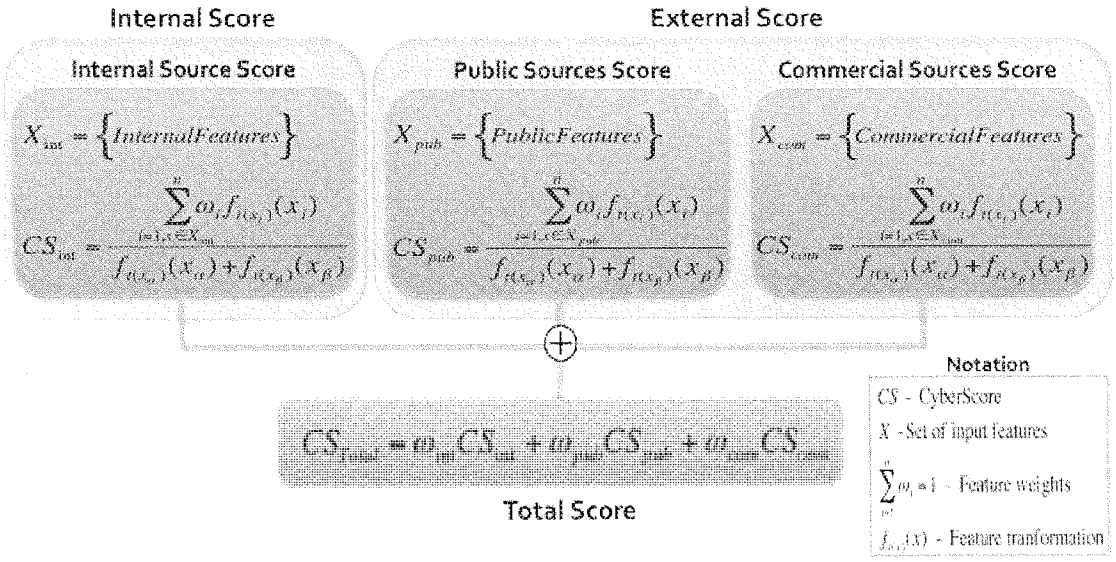
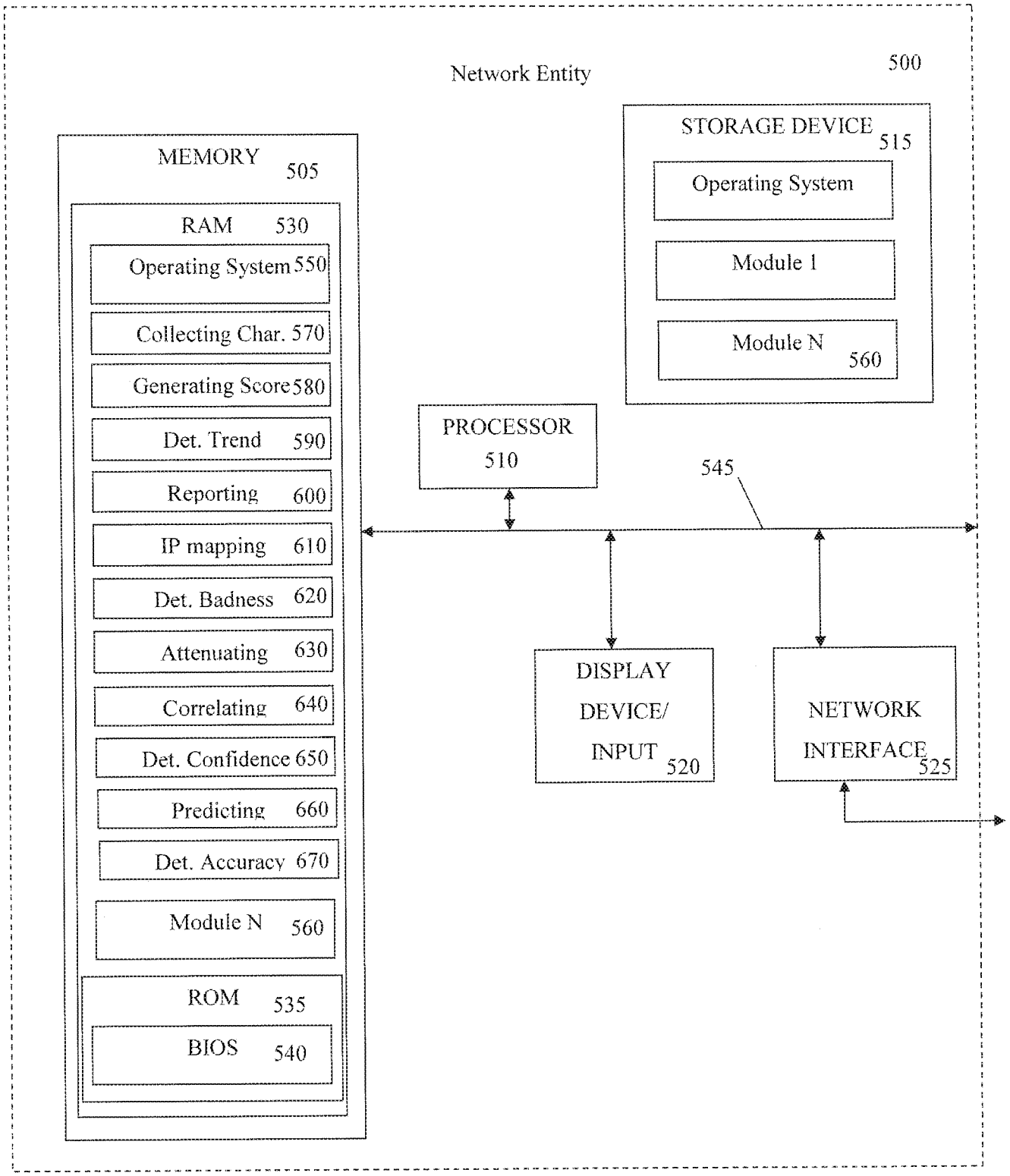

Internal Score
External Score
Internal Source Score
Public Sources Score
Commercial Sources Score
$X_{int} = \{InternalFeatures\}$
$CS_{int} = \frac{\sum_{i=1, x_i \in X_{int}}^{n} \omega_i f_{i(x_i)}(x_i)}{f_{i(x_\alpha)}(x_\alpha) + f_{i(x_\beta)}(x_\beta)}$
$X_{pub} = \{PublicFeatures\}$
$CS_{pub} = \frac{\sum_{i=1, x_i \in X_{pub}}^{n} \omega_i f_{i(x_i)}(x_i)}{f_{i(x_\alpha)}(x_\alpha) + f_{i(x_\beta)}(x_\beta)}$
$X_{com} = \{CommercialFeatures\}$
$CS_{com} = \frac{\sum_{i=1, x_i \in X_{com}}^{n} \omega_i f_{i(x_i)}(x_i)}{f_{i(x_\alpha)}(x_\alpha) + f_{i(x_\beta)}(x_\beta)}$
$CS_{total} = \omega_{int} CS_{int} + \omega_{pub} CS_{pub} + \omega_{com} CS_{com}$
Total Score
Notation
CS - CyberScore
X - Set of input features
$\sum_{i=1}^{n} \omega_i = 1$ - Feature weights
$f_{i(x_i)}(x)$ - Feature tranformation

FIG. 3

FIG. 4



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