PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5111216

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP	03/02/2017

RECEIVING PARTY DATA

Name:	ENTIT SOFTWARE LLC
Street Address:	500 WESTOVER DR. #12603
City:	SANFORD
State/Country:	NORTH CAROLINA
Postal Code:	27330

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15774819

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: software.ip.mail@microfocus.com

Correspondent Name: ENTIT SOFTWARE LLC
Address Line 1: 500 WESTOVER DR. #12603

Address Line 4: SANFORD, NORTH CAROLINA 27330

ATTORNEY DOCKET NUMBER:	92010528
NAME OF SUBMITTER:	CHRISTY BASTYR
SIGNATURE:	/Christy Bastyr/
DATE SIGNED:	08/27/2018

Total Attachments: 152

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PATENT REEL: 047471 FRAME: 0003

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PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT (together with Schedule A, this "Agreement"), is made and entered into effective as of March 2, 2017 (the "Effective Date") by and between, Hewlett Packard Enterprise Development LP, a Texas limited partnership with a business address at 11445 Compaq Center Drive West, Houston, Texas 77070 ("Assignor"), and EntIT Software LLC, a Delaware limited liability company with a business address at 1140 Enterprise Way, Building G, Sunnyvale, CA, 94089 ("Assignee"). Assignor and Assignee are referred to individually as a "Party" and collectively as the "Parties."

WHEREAS, Assignor, Hewlett Packard Enterprise Company and Assignee have entered into that certain Contribution Agreement dated as of March 1, 2017 (the "<u>CA</u>"; capitalized terms, not defined herein have the meanings in the CA);

WHEREAS, under the CA Assignor agreed to transfer certain assets and related rights to Assignee, including beneficial ownership of the patents and patent applications listed in <u>Schedule A</u> hereto that have been filed in at least one jurisdiction (the "<u>Transferred Patents</u>") on the Contribution Agreement Effective Date and legal title and other rights to the Transferred Patents on the Effective Date hereof; and

WHEREAS, Assignor and Assignee now desire to enter into this Agreement to effect the transfer and assignment to Assignee of the Transferred Patents as provided in the CA.

NOW THEREFORE, in consideration of the foregoing and the mutual covenants and agreements set forth in the CA and the Transaction Documents and below, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and intending to be legally bound, Assignor and Assignee agree as follows.

- 1. Assignor does hereby assign, transfer, convey and deliver to Assignee the entirety of Assignor's right, title and interest, including without limitation the right of priority, in, to and under the Transferred Patents, and any inventions and improvements set forth therein, and any and all continuations, continuations-in-part (C-I-P's), divisionals, and renewals of and substitutes for any of the Transferred Patents, and any and all patents and patent applications of the United States and of foreign countries thereto that may be granted thereon or therefor, and any reissues, or reexaminations, or extensions thereof.
- 2. Assignor hereby requests that any applicable governmental entity or registrar (including any applicable foreign or international office or registrar), record Assignee as the assignee and owner of the Transferred Patents. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention that may be granted upon any of the Transferred Patents in the name of Assignee, as the assignee to the entire interest therein.

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- 3. This Agreement and all the provisions hereof shall be binding upon and shall inure to the benefit of the Parties and their respective successors and permitted assigns. Nothing herein, express or implied, shall give or be construed to give to any person, other than the Parties and such permitted assigns, any legal or equitable rights hereunder.
- 4. This Agreement may be executed simultaneously in two or more counterparts, each of which will be deemed an original, but all of which together will constitute one and the same instrument. This Agreement may be executed by facsimile or .pdf signature, and a facsimile or .pdf signature will constitute an original for all purposes.
- 5. This Agreement is provided pursuant to the CA and the other Transaction Documents, to which reference is made for a further statement of the rights and obligations of Assignor and Assignee with respect to the Transferred Patents. Nothing contained in this Agreement shall be deemed to modify, supersede, enlarge, or affect the rights of any person under the CA or other Transaction Documents. If any provision of this Agreement is inconsistent or conflicts with the Transaction Documents, the Transaction Documents shall control.
- This Agreement, and any disputes arising out of or relating to this Agreement, will be governed by and construed under the laws of the State of Delaware, without reference to its conflicts of law principles.

(Signature page follows)

2

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first above written.

HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP:

By: En	terprise DC Holdings LLC, its General
Partner	
Ву:	
	Rishi Varma
Title:	Manager
	e copenabrii <i>t</i> :

By: Can

Name: Eileen Evans

Title: VP and DGC, Software

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certific document to which this certificate is attached, and not	cate verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document.
State of California County of	Here Insert Name and Title of the Officer Name(s) of Signer(s)
subscribed to the within instrument and acknow	y evidence to be the person(s) whose name(s) is/are viedged to me that he/she/they executed the same in his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
	I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
EDUARDO CHALIAN Commission # 2082332 Notary Public - California Santa Clara County My Comm Expires Sep 20, 2018	WiTNESS my hand and official seal. Signature Signature of Notary Public
Place Notary Seal Above	
Though this section is optional, completing thi	PTIONAL is information can deter alteration of the document or is form to an unintended document.
Description of Attached Document Title or Type of Document:	
Document Date: Signer(s) Other Than Named Above:	Number of Pages:
Capacity(ies) Claimed by Signer(s) Signer's Name: Corporate Officer — Title(s): Partner — Limited General Individual Attorney in Fact Trustee Guardian or Conservator Other: Signer Is Representing:	☐ Partner — ☐ Limited ☐ General ☐ Individual ☐ Attorney in Fact ☐ Trustee ☐ Guardian or Conservator ☐ Other:

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IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first above written.

HEWLETT PACKARD ENTERPRISE DEVELOPMENT LP:

By: En Partnei	terprise DC Holdings LLC, its General
Ву:	
	Rishi Varma Manager

ENTIT SOFTWARE LLC:

Title: VP and DGC, Software

STATE OF TEXAS

Ş

COUNTY OF HARRIS

Before me, a notary public, on this day personally appeared Rishi Varma, known me to be the person whose name is subscribed to the foregoing document and known to me to be a Manager of Hewlett Packard Enterprise Development LP, and acknowledged to me that he executed said instrument for the purposes and consideration therein expressed and as the act of said corporation.

Given under my hand and seal of office this

. 2017

Venniser J. Nelub

Notary Public in and for the State of Texas My Commission Expires on May 4, 2019

Notary ID 124456515

JENNIFER J. NELUB

Notary Public, State of Texas

Comm. Expires 05-04-2019

Notary ID 124456515

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Schedule A Transferred Patents

83784007	82944090	82275641	82275545	82265336		0.517.504.5	02102015			82263185			82926132			82852930		82258016				82250783		82246745	82245644		82235423		82208930	Patent ID
Abandoned	Abandoned	Abandoned	Abandoned	Abandoned		Aballaolica	Abondonad			Abandoned			Abandoned			Abandoned		Abandoned				Abandoned		Abandoned	Abandoned		Abandoned		Abandoned	Status
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7/12/2011	2/10/2012	2/25/2011	12/15/2010	3/31/2011		10/2//2010	10/27/2010			8/27/2010			11/23/2009			7/2/2009		8/14/2009				7/30/2009		10/31/2008	10/14/2008		1/31/2008		2/28/2006	Filed Date
																														Grant Date
14/131493	13/370938	13/035680	12/968929	13/077932		15/01/00/	13/017667			12/870006			13/384838			13/379161		12/541794				12/462186		12/263176	12/251259		12/864834		11/364108	App No.
US	US	US	US	US			116			US			US			US		US				US		US	US		US		US	Country
AUDIO SAMPLE	Presenting Streaming Media For An Event	DASHBOARD OBJECT VALIDATION	TARGET LEVEL SETTING	CAPACITY AND CAPABILITY	INFORMATION	PERSONALIZED CATEGORY OF	PROVIDING CONTROL OVER A	PARTICIII AR EXPERIENCE	RESPONSE TO A QUERY SEEKING	IDENTIFYING AN INDIVIDUAL IN	Interface	Relationship Identification In A User	System And Method For Object	PRODUCT	SUPPORTING A COMPUTER-BASED	METHOD AND APPARATUS FOR	Information Transfer	System And Method For Inter-domain	In The Reviews	Between Attributes And Opinion Words	According To Distance Associations	Generating A Visualization Of Reviews	User-centric Data	Learning User Purchase Intent From	Prioritizing Problems In IT Services	Mapping	Automated Application Dependency	NEW CATEGORY	IDENTIFYING AN EMERGING OR	App Title

82250825	84173610	83209180				83227144	1	83116782	051/0/10	83170718		82965396		82963818		83037605	82929158		83793364	82850426	1	83789075		83082902		90166233		82690114		83933389	Patent ID
Allowed	Allowed	Abandoned				Abandoned		Abandoned	Aballaollea	Abandanad		Abandoned		Abandoned		Abandoned	Abandoned		Abandoned	Abandoned		Abandoned		Abandoned	4	Abandoned		Abandoned		Abandoned	Status
																															Patent No.
4/27/2009	2/27/2015	4/24/2013				4/30/2013		11/28/2012	0/27/2012	6/20/2012		9/28/2012		4/19/2012		7/18/2012	3/30/2012		1/26/2012	12/20/2011	:	8/24/2012		7/31/2012	5	3/18/2016		6/9/2011		10/31/2011	Filed Date
																															Grant Date
12/430411	14/634563	13/869359				13/873673	1	13/687942	15/815040	12/0126/16		13/629689		13/450788		13/551735	13/436541		14/359261	13/331777	1	14/237280		13/563506		15/074004		13/157009		14/354100	App No.
US	US	US				US		Sil	O	IIC		US		US		US	US		US	US	1	US		OS.	5	US		US		US	Country
System And Method For Making A Recommendation Based On User Data	VISUALIZATION OF SECURITY RISKS	SYNCHRONIZATION OF AN AUTOMATION SCRIPT	POSITION ADJUSTMENT	HAVING CELLS WITH SCALE	DOWN IN A VISUALIZATION	SEMANTIC ZOOM-IN OR DRILL-	Information Technology Components	Managing Compliance Across	DATA GENERATION	BILLE BYSED VILLOWALED LEST	ACTUAL EFFORT FOR SOFTWARE	COMPARING TARGET EFFORT TO	INTEGRATED SOFTWARE SYSTEM	TESTING SYSTEM FOR AN	CONFIGURATION ITEMS	METRICS FOR NETWORK	ANALYZING SOCIAL MEDIA	MULTIPLE TIME DIMENSIONS	CLUSTERING EVENT DATA BY	APPLICATION SECURITY TESTING	PARTITIONING AND STORAGE	MULTIDIMENSION COLUMN-BASED	ORIENTED DATA STORES	DATA STORAGE COMBINING ROW-	ORDERING	DETERMINING AN EXECUTION	INTEGRATE AND FIRE SAMPLER	TIME ENCODING USING	DEMAND	ESTIMATION OF UNOBSERVED	App Title

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82853266	Allowed		10/31/2009		13/259216	US	DETERMINING PROBABILITY THAT AN OBJECT BELONGS TO A TOPIC USING SAMPLE ITEMS SELECTED
							FROM OBJECT AND PROBABILITY DISTRIBUTION PROFILE OF THE
							TOPIC
82264226	Allowed		10/18/2010		12/906460	US	TRANSACTION CLASSIFICATION
							RULE GENERATION
82265291	Allowed		1/14/2011		13/007487	US	SYSTEMS AND METHODS OF BLOCK COMPUTATION
83691270	Allowed		4/4/2011		14/008940	US	CREATING A CORRELATION RULE
							BETWEEN EVENT TYPES
82663233	Allowed		6/16/2011		13/162063	US	PARSING AN IMAGE OF A
							DOCUMENT
83584531	Allowed		3/15/2011		14/001861	US	DNITSET YTLLIBASU
82799838	Allowed		9/21/2011		13/238430	US	MATCHING OF CASES BASED ON ATTRIBUTES INCLUDING AN
							ATTRIBUTE RELATING TO FLOW OF ACTIVITIES
84266474	Allowed		5/29/2015		14/725080	US	Propagation Of Viruses Through An
							Information Technology Network
83832716	Allowed		12/2/2011		14/241483	US	TOPIC EXTRACTION AND VIDEO ASSOCIATION
83712065	Allowed		2/3/2012		14/131291	US	SELECTOR SYNCRONIZED WITH MOVEMENT OF DATA IN MEMORY
82964555	Allowed		4/16/2012		13/447510	US	DETERMINING A MAXIMAL SIZE OF
							PACKETS
82964964	Allowed		8/29/2012		13/597689	US	IDENTIFYING A DEFECT DENSITY
83995675	Allowed		4/30/2012		14/375005	US	PRIORITIZATION OF CONTINUOUS
84079569	Allowed		5/15/2012		14/398213	US	PATTERN MINING BASED ON
1			1		1 1	4	OCCUPANCY
84232801	Allowed		10/26/2012		14/438386	US	SUMMARIZATION OF A DOCUMENT
90031016	Allowed		8/18/2015		14/829076	US	INVERSION OF CONTROL FOR
							RUN-TIME ENVIRONMENT

US ASSOCIATING A SCREENSHOT GROUP WITH A SCREEN US WORKFLOW PROCESSING VIA POLICY WORKFLOW WORKERS US Software Delivery Pipeline Management US HASHES OF EMAIL TEXT US SUGGESTED OFFERINGS ORDERING REGULAR EXPRESSIONS	15/372114	12/22/2016		Application	90296389
	15/372114			1 T F	
	10100101	12/7/2016		Application	90251010
	15/337244	10/28/2016		Application	90257426
	15/381250	12/16/2016		Application	90257597
	15/298844	10/20/2016		Application	90251026
	15/336482	10/27/2016		Application	90257455
US INFERRING TOPOLOGICAL LINKAGES BETWEEN COMPONENTS	15/419707	1/30/2017		Application	90345009
US DETECTION OF OBJECT CREATION	15/335953	10/27/2016		Application	90269767
OS ABNORMAL BEHAVIOR DETECTION OF ENTERPRISE ENTITIES USING TIME-SERIES DATA	15/386101	12/21/2016		Application	90311519
	15/418533	1/2//201/		Application	90323948
	15/420521	1/31/2017		Application	90323963
US GROUPING ALERTS INTO BUNDLES OF ALERTS	15/420417	1/31/2017		Application	90323958
US DETERMINING CONTEXTUAL INFORMATION FOR ALERTS	15/420420	1/31/2017		Application	90323953
US TIME-BASED DETECTION OF MALWARE COMMUNICATIONS	15/409760	1/19/2017		Application	90323944
	14/266238	4/30/2014		Allowed	83822529
US DATA STORE QUERY PREDICTION	14/266336	4/30/2014		Allowed	83822590
US IDENTIFYING A COMMON ACTION FLOW	14/098188	12/5/2013		Allowed	83768667
US CLASSIFYING APPLICATION PROTOCOL INTERFACES (APIS) AS AFFECTING USER EXPERIENCE	15/128140	4/29/2014		Allowed	90238044
US DATA PARTIONING BASED ON END USER BEHAVIOR	13/780751	2/28/2013		Allowed	83098567
US MANAGING AN ANALYTIC FUNCTION TO BE PERFORMED ON DATA STORED IN AN INPUT BLOCK	14/398269	6/4/2012		Allowed	84079652
untry		Filed Date Grant Date	Patent No.	Status	Patent ID

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
90257422	Application		11/1/2016		15/340102	US	TOGGLING APPLICATION FEATURE FLAGS BASED ON USER
							SENTIMENT
90257380	Application		10/25/2016		15/334009	SN	DETECTION OF ENTITIES IN UNSTRUCTURED DATA
90246342	Application		9/7/2016		15/258784	SU	ENHANCED INTELLIGENCE FOR A SECURITY INFORMATION SHARING
							PLATFORM
90257389	Application		1/10/2017		15/402992	US	IDENTIFYING A LAYOUT ERROR
90284373	Application		11/4/2016		15/344068	US	USE OF MARKETPLACE PLATFORM INSTANCES FOR RESELLING
90257376	Application		10/28/2016		15/337181	SN	PARAMETER BASED DATA ACCESS
							SHARING PLATFORM
90251006	Application		12/20/2016		15/384817	US	SCORE WEIGHTS FOR USER
90284377	Application		12/8/2016		15/373204	US	UNIVERSAL LEXICAL ANALYZERS
90257365	Application		10/27/2016		15/336386	US	DETECTING MALFORMED APPLICATION SCREENS
90257361	Application		10/27/2016		15/335738	US	PERFORMANCE MONITOR BASED
							ON USER ENGAGEMENT
90219912	Application		7/6/2016		15/203451	US	PARALLEL TRANSFERS OF ELECTRONIC DATA
90314350	Application		12/1/2016		15/366567	US	VERSIONED EXTENSION POINTS OF
	:						GRAPHICAL USER INTERFACES
90217809	Application		10/26/2016		15/334536	US	WEBPAGE REFRESH BASED ON MEMORY CONSUMPTION
90251062	Application		9/29/2016		15/280920	SU	GENERATING PARSING RULES FOR
	:						LOG MESSAGES
90214671	Application		6/30/2016		15/198550	US	APPLICATION REQUESTS
90214667	Application		7/11/2016		15/207232	SU	CALCULATING USER EXPERIENCE
							SCORES
90214663	Application		9/23/2016		15/275070	US	IDENTIFYING PROBLEMATIC
90214808	Application		9/29/2016		15/280954	SII	EMULATING NETWORK TRAFFIC
90213885	Application		5/31/2016		15/169559	US	IDENTIFYING DATA CONSTRAINTS
							IN APPLICATIONS AND DATABASES

90217758 Ap 90217758 Ap 90219949 Ap 90219945 Ap 90219945 Ap 90219968 Ap 90219968 Ap 90219916 Ap 90219910 Ap 90219710 Ap 90213779 Ap	Status Patent No.	t No. Filed Date	Grant Date	App No.	Country	App Title
	ation		_	15/420272	US	WORKFLOW GENERATION FROM
						NATURAL LANGUAGE STATEMENTS
	Application	9/30/2016		15/282355	US	EXCHANGE SERVICE
						MANAGEMENT CONTENTS WITH A CLOUD ENTITY VIA A SELF-
						CONTAINED CLOUD CONTENT
						PACKAGE
	Application	8/31/2016		62/382149	US	DOCUMENT OBJECT MODEL TRANSACTION CRAWLER
	Application	8/24/2016		15/246266	US	WEB PAGE MANIPULATION
	Application	8/26/2016		62/380178	US	JAVASCRIPT SECURITY TESTING
	Application	9/9/2016		62/385540	US	JAVASCRIPT PATH ENUMERATION
	Application	7/1/2016		15/201171	US	COMPUTER ATTACK MODEL MANAGEMENT
	Application	8/5/2016		15/230050	US	DISTRIBUTED COMPUTING IN R
	Application	7/1/2016		15/201186	US	MODEL-BASED COMPUTER ATTACK ANALYTICS
						ORCHESTRATION
	Application	11/1/2016		15/340218	US	SINGULAR VALUE DECOMPOSITIONS
	Application	7/6/2016		15/202636	US	ACCESSING ELECTRONIC
	Application	8/11/2016		15/234662	118	CONTAINER MONITORING
	a lo lo caso de la cas			100 m	(CONFIGURATION DEPLOYMENT
		9/26/2016		15/276432	US	STAKEHOLDER LIST
_	Application	8/25/2016		15/247045	US	BUILDING SIGNATURES OF
	Application Application					APPLICATION FLOWS
	Application Application	6/21/2016		15/188312	US	CLUSTERING LAYERS IN MULTI-
90251002 Ap	Application Application Application	1100010		15/347370	US	FUNCTION CALL VISUALIZATION
90197759 Ap	Application Application Application Application	11/9/2016		15/107110	SII	ן אג נוסבבטואיט ו אט אינבסס י שבס
	Application Application Application Application Application Application	6/14/2016		13/182119	(CLUSTERING LOG MESSAGES

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WINCETS IN DICTAL	110	14/065505		0/05/0015		Amiliantian	00000666
POLICY COMPLIANCE OF	US	15/005320		1/25/2016		Application	90114018
Managing Configuration Drift	US	15/005917		1/25/2016		Application	90114133
DASHBOARD							
THE ANALYTICS VISUALIZATION							
USING AS INPUTS ATTRIBUTES OF							
SEARCHES ACROSS REPOSITORIES							
DASHBOARD, OF FEDERATED							
ANALYTICS VISITALIZATION	CO	13/090091		4/4/2016		Application	90162438
IN AFFLICATION INANSACTIONS	110	15/00001		1110017		A 1	001/01/0
VISUALIZATION OF ERROR FLOWS	SU	15/151753		5/11/2016		Application	90133780
LOG MESSAGES							
DETERMINING TOPOLOGY USING	US	15/280940		9/29/2016		Application	90129491
INSTRUMENTATION							
SAMPLING FOR METHOD						1	
PERFORMING STACK TRACE	SU	15/252615		8/31/2016		Application	90164219
IDENTIFICATION							
METRIC FINGERPRINT	US	15/143357		4/29/2016		Application	90180201
PLATFORM							
INFORMATION SHARING							
INFORMATION IN A SECURITY						-	
CONSIDERING GEOLOCATION	US	15/184350		6/16/2016		Application	90164259
BATCH JOB FREQUENCY CONTROL	US	15/141032		4/28/2016		Application	90180162
Bulk Sets for Executing Database Queries	US	15/140893		4/28/2016		Application	90180218
DATABASES						-	
PURGING STORAGE PARTITIONS OF	SU	15/278977		9/28/2016		Application	90235682
Detecting Changes in 3D Scenes	SU	15/270180		9/20/2016		Application	90232894
FOCUS							
USER INTERFACE WITH TAG IN	US	15/238073		8/16/2016		Application	90213877
USER INTERFACE							
INTERACTIONS VIA A GRAPHICAL							
THROUGH A SERIES OF ANALYTICS						,	
MANAGE ANALYTICS CONTEXTS	US	15/184478		6/16/2016		Application	90163321
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90039721	Application		11/5/2015		14/933281	US	DATA DISPATCH TO VIRTUAL
							PRESENTATION THROUGH A
							DASHBOARD
82219259	Application		7/19/2006		11/488967	US	Providing A Forecasting Model
90163357	Application		9/29/2016		15/280428	US	TIMING ESTIMATIONS FOR APPLICATION LIFECYCLE
							MANAGEMENT WORK ITEMS
							LEARNING
90035363	Application		4/11/2016		15/095230	US	DEPLOYING APPLICATIONS ON
							APPLICATION PLATFORMS
82228154	Application		4/30/2007		11/799059	US	Availability Management
90037114	Application		7/29/2016		15/223928	US	SPIRAL VISUALIZATION
00037735	Application		2100/20/21		14/008175	110	MICROSERVICE WITH DECOURTED
	-						USER INTERFACE
90037879	Application		11/4/2015		14/932640	US	TEST SESSION SIMILARITY DETERMINATION
90035359	Application		10/16/2015		14/884903	US	DIAL CONTROL FOR TOUCH
							SCREEN NAVIGATION
90035245	Application		10/21/2015		14/919209	US	GENERATING USER ASSISTANCE
84262826	Application		7/28/2015		14/811673	US	Shared Symmetric Key Encryption
90334135	Application		1/29/2015		15/325800	US	DATA ANALYTICS ON ENCRYPTED
84312840	Application		7/31/2015		14/815.701	US	ISOLATION OF PROBLEMS IN A
					•		VIRTUAL ENVIRONMENT
90077889	Application		10/19/2015		14/886688	US	TESTING INTEGRATED BUSINESS
							SYSTEMS
90343624	Application		12/23/2014		15/504011	US	LOAD TESTING
90334131	Application		12/11/2014		15/325807	US	DETERMINING TERM SCORES BASED ON A MODIFIED INVERSE
							DOMAIN FREQUENCY
90334140	Application		1/30/2015		15/325786	US	PERFORMANCE TESTING BASED
							ON VARIABLE LENGTH
							SEGMENTATION AND CLUSTERING OF TIME SERIES DATA
							OF TIME SEKIES DATA

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Application 12/16/2014 15/500528 US Application 8/29/2014 15/329137 US Application 1/12/2015 15/504006 US Application 10/27/2014 15/500530 US Application 11/26/2014 15/500529 US Application 9/8/2014 15/31449 US Application 8/28/2014 15/319052 US Application 7/28/2014 15/319338 US Application 7/28/2014 15/319338 US Application 9/26/2014 15/319338 US Application 6/9/2014 15/312932 US Application 17/28/2014 15/312933 US Application 6/9/2014 15/312932 US Application 17/24/2014 15/312933 US Application 17/24/2014 15/31868 US Application 7/10/2014 15/324043 US Application 17/21/2014 15/325493 <td>90352214</td> <td>Application</td> <td></td> <td>9/29/2014</td> <td></td> <td>15/500527</td> <td>US</td> <td>DETECTION OF EMAIL-RELATED VULNERABILITIES</td>	90352214	Application		9/29/2014		15/500527	US	DETECTION OF EMAIL-RELATED VULNERABILITIES
Application 8/29/2014 15/329137 US Application 1/12/2015 15/304066 US Application 10/27/2014 15/504066 US Application 10/27/2014 15/500530 US Application 11/26/2014 15/500529 US Application 8/28/2014 15/311449 US Application 8/28/2014 15/319322 US Application 7/28/2014 15/319322 US Application 7/28/2014 15/319338 US Application 6/9/2014 15/319338 US Application 6/9/2014 15/319338 US Application 6/9/2014 15/312933 US Application 6/9/2014 15/312955 US Application 1/29/2014 15/318868 US Application 7/10/2014 15/3254043 US Application 7/10/2014 15/325403 US Application 7/21/2014 15/325493	90122494	Application		12/16/2014		15/500528	US	DETERMINING PERMISSIBLE
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Application 1/12/2015 15/504006 US Application 10/27/2014 15/500530 US Application 11/26/2014 15/500529 US Application 9/8/2014 15/300529 US Application 9/8/2014 15/311449 US Application 7/28/2014 15/319322 US Application 7/28/2014 15/319338 US Application 7/28/2014 15/319338 US Application 9/26/2014 15/319338 US Application 9/26/2014 15/319338 US Application 6/9/2014 15/312953 US Application 6/9/2014 15/312955 US Application 7/29/2014 15/318868 US Application 7/29/2014 15/328053 US Application 7/29/2014 15/324043 US Application 7/29/2014 15/325493 US Application 7/21/2014 15/328015								ON ELEMENT SCORE
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Application 7/28/2014 15/319338 US Application 7/28/2014 15/318902 US Application 9/26/2014 15/502523 US Application 6/9/2014 15/317044 US Application 6/9/2014 15/312955 US Application 6/9/2014 15/318868 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 8/18/2014 15/325493 US Application 8/18/2014 15/328015 US Application 8/18/2014 15/328015 US	90301887	Application		7/28/2014		15/319322	US	PROVIDING DATA BACKUP
Application 7/28/2014 15/318902 US Application 9/26/2014 15/502523 US Application 6/9/2014 15/502523 US Application 6/9/2014 15/317044 US Application 6/9/2014 15/312955 US Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US	90301891	Application		7/28/2014		15/319338	US	DETECTION OF ABNORMAL
Application 9/26/2014 15/502523 US Application 6/9/2014 15/317044 US Application 6/9/2014 15/317044 US Application 6/9/2014 15/312955 US Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 8/18/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US	90301881	Application		7/28/2014		15/318902	US	ACCESSING RESOURCES ACROSS
Application 9/26/2014 15/502523 US Application 6/9/2014 15/317044 US Application 6/9/2014 15/317044 US Application 11/21/2011 15/312955 US Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 8/18/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US		,						MULTIPLE TENANTS
Application 6/9/2014 15/317044 US Application 6/9/2014 15/312955 US Application 11/21/2011 14/359473 US Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 8/18/2014 15/324043 US Application 8/18/2014 15/328015 US Application 7/21/2014 15/328015 US	90353229	Application		9/26/2014		15/502523	US	ITEM RECOMENDATION
Application 69/2014 15/312955 US Application 11/21/2011 14/359473 US Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US	90301911	Application		6/9/2014		15/317044	US	TOP-K PROJECTION
Application 11/21/2011 14/359473 US Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/10/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 15/30/2014 15/310120 US	90296732	Application		6/9/2014		15/312955	US	Aggregate Projection
Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/29/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US	83853706	Application		11/21/2011		14/359473	US	MANAGEMENT OF CONTEXT-
Application 6/9/2014 15/308654 US Application 7/24/2014 15/318868 US Application 7/29/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US		:						SENSITIVE HELP LINKS
Application 7/24/2014 15/318868 US Application 7/29/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US	90287370	Application		6/9/2014		15/308654	US	MANAGING STORAGE OF DATA
Application 7/29/2014 15/325630 US Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US	90301877	Application		7/24/2014		15/318868	US	END POINT IDENTIFICATION
Application 7/10/2014 15/324043 US Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US	90334442	Application		7/29/2014		15/325630	US	SIMILARITY IN A STRUCTURED
Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US	90327303	Application		7/10/2014		15/324043	US	CATEGORIZING COLUMNS IN A
Application 8/18/2014 15/325493 US Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US		:						DATA TABLE
Application 7/21/2014 15/328015 US Application 6/30/2014 15/310120 US	90331196	Application		8/18/2014		15/325493	US	INTERACTIVE SEQUENTIAL PATTERN MINING
Application 6/30/2014 15/310120 US	90342509	Application		7/21/2014		15/328015	US	REMEDIAL ACTION FOR RELEASE OF THREAT DATA
	90302720	Application		6/30/2014		15/310120	US	AUTOMATIC GENERATION OF SUB-

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90324147	Application		12/23/2016		15/389919	US	QUERY SUMMARY GENERATION
							STORAGE
90334127	Application		12/11/2014		15/325847	US	INTERACTIVE DETECTION OF
	:						SYSTEM ANOMALIES
90352201	Application		9/24/2014		15/500522	S	INFRASTRUCTURE RULE GENERATION
90343703	Application		8/29/2014		15/500532	US	STATIC PROGRAM ANALYSIS IN AN
							OBJECT-RELATIONAL MAPPING
84000239	Application		4/27/2012		14/372874	US	APPLICATION RETENTION METRICS
90352245	Application		9/30/2014		15/500531	US	STRING PROPERTY LABELS FOR
							STATIC ANALYSIS
90342529	Application		7/22/2014		15/328024	US	CONDITIONAL SECURITY
00040606	A1:		100014		15/20022	110	SECTION AND ACCESS
	r all formations					Č	DETERMINATION
90342513	Application		7/21/2014		15/328018	US	SECURITY INDICATOR LINKAGE
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							DELIVERY
90342095	Application		8/8/2014		15/328547	US	REPLICATING A WEB
90292049	Application		8/28/2014		15/311265	II	CROSS-DOMAIN INFORMATION
1							MANAGEMENT
90292370	Application		5/29/2014		15/312925	US	ISOLATING PRODUCTION
							ENVIRONMENT DEBUGGING SESSIONS
90301927	Application		7/30/2014		15/326991	US	SECURITY RISK SCORING OF AN
							APPLICATION
90352197	Application		9/4/2014		15/500521	US	DETERMINE PROTECTIVE
							MEASURE FOR DATA THAT MEETS CRITERIA
84137299	Application		10/10/2012		14/431414	US	IDENTIFYING REPORTS TO
							ADDRESS NETWORK ISSUES

DEVICE TO ANOTHER	US	15/128175		4/30/2014		Application	90238616
CASCADING STYLE SHEET META LANGUAGE PERFORMANCE	US	15/128153		4/17/2014		Application	90237349
RESPONSE BASED ON BROWSER ENGINE	US	15/306183		5/27/2014		Application	90283809
RANK AGGREGATION BASED ON A MARKOV MODEL	US	15/325060		7/31/2014		Application	90329886
PACKET LOGGING	US	15/116018		4/30/2014		Application	90241962
FACILITATING INTERPRETATION OF HIGH-DIMENSIONAL DATA CLUSTERS	US	15/307026		4/30/2014		Application	90287838
SEARCHING RELATIONAL AND GRAPH DATABASES	US	15/327729		7/28/2014		Application	90334971
PRIORITIZING EVENT NOTICES UTILIZING PAST-PREFERENCE PAIRINGS	US	14/787555		6/18/2013		Application	90091201
DETERMINE SECURE ACTIVITY OF APPLICATION UNDER TEST	US	15/500523		9/25/2014		Application	90352210
ABNORMALITY DETECTION	US	15/326326		7/29/2014		Application	90301895
CHANGE SUCCESS RATINGS	S	15/316618		//31/2014		Application	90301873
REMOTE SESSION INFORMATION BASED ON PROCESS IDENTIFIER		15/327599		7/31/2014		Application	90301935
SCREEN-IMAGE BASED CLASSIFICATION	US	15/329806		9/3/2014		Application	90343539
DYNAMIC GRAPHIC ENTITY DETERMINATION	US	15/307435		5/28/2014		Application	90285071
STATE IN A CONVERSATION	S	14/417950		9/27/2012		Application	84139967
PRODUCT RISK PROFILE	US	15/326169		7/30/2014		Application	90301923
AVAILABILITY FEATURE IN RESPONSE TO DETECTING IMPAIRMENT OF CLIENT EXPERIENCE							
TRIGGERING A HIGH	US	13/719284		12/19/2012		Application	83098521
App Title	Country	App No.	Grant Date	Filed Date	Patent No.	Status	Patent ID

Patent ID	Status	Patent No	Filed Date	Grant Date	Ann No	Country	Ann Title
90238082	Application	A SECULAR A CO.	4/29/2014	G	15/128197	US	RELATING USER ACTION FLOWS
							BETWEEN THREADS AND OBJECTS
90285497	Application		5/30/2014		15/308590	US	EVALUATING USER EXPERIENCE
90341583	Application		7/18/2014		15/327174	US	DETERMINING TERMS FOR SECURITY TEST
90302705	Application		6/12/2014		15/310126	US	RECOMMENDING OF AN ITEM TO A
90237249	Application		2/19/2014		15/118952	US	ROLE BASED ASSESSMENT FOR AN
90238036	Application		4/29/2014		15/128081	US	MONITORING APPLICATION FLOW
							REGULAR OR EXTENDED MODE
90304699	Application		5/20/2014		15/312644	US	POINT-WISE PROTECTION OF
							APPLICATION USING RUNTIME AGENT
90275555	Application		4/22/2014		15/127687	US	FLOW AUTOCOMPLETE
90302710	Application		5/22/2014		15/309842	US	USER DEFINED FUNCTION, CLASS CREATION FOR EXTERNAL DATA
	:		5			5	SOURCE ACCESS
90238633	Application		4/30/2014		15/117134	US	PERFORMING A MIRROR TEST FOR LOCALIZATION TESTING
90285508	Application		6/25/2014		15/308575	US	DOCUMENTATION NOTIFICATION
83566678	Application		8/15/2013		13/968278	US	MANAGING DATABASE NODES
90237233	Application		2/14/2014		15/118557	US	MODIFYING A HIERARCHAL STRUCTURE
83822656	Application		4/30/2014		14/266135	US	ACTIONS FOR AN INFORMATION TECHNOLOGY CASE
90278959	Application		3/24/2014		15/128501	US	MONITORING FOR
							AUTHENTICATION INFORMATION
90308420	Application		5/20/2014		15/312645	US	POINT-WISE PROTECTION OF APPLICATION USING RUNTIME
							AGENT AND DYNAMIC SECURITY
							ANALYSIS
90317530	Application		6/19/2014		15/317206	US	INSTALL RUNTIME AGENT
90242231	Application		2/21/2014		15/116847	US	SCORING FOR
	;						THREATOBSERVABLES

	2			2			
90242199	Application	ratent No.	4/22/2014	Grant Date	15/116857	US	IDENTIFYING A FUNCTIONAL
							FRAGMENT OF A DOCUMENT OBJECT MODEL TREE
90237284	Application		2/28/2014		15/121829	US	ALLOCATING COSTS OF SHARED
	:						RESOURCES
90242213	Application		4/18/2014		15/116912	US	RATING THREAT SUBMITTER
90302697	Application		5/12/2014		15/309836	US	GENERATING A MODEL BASED ON INPUT
82116875	Expired	RE40530	10/20/2000	10/7/2008	09/694416	US	PUBLIC KEY CRYPTOGRAPHIC APPARATUS AND METHOD
82116878	Expired	7231040	10/26/1998	6/12/2007	09/328726	US	A MULTIPRIME RSA PUBLIC KEY
							CRYPTOSYSTEM
81965828	Granted	6684244	1/7/2000	1/27/2004	09/479205	US	Aggregated Policy Deployment And Status Propagation In Network
							Management Systems
81966899	Granted	7284264	12/8/2000	10/16/2007	09/732621	US	Discovery Of An Advertising Service In E-speak
81967103	Granted	8696507	4/27/2001	5/2/2006	09/844730	US	Distributed clustering system and method
81967409	Granted	7702687	6/1/2005	4/20/2010	11/141839	US	Method And System Of Typing Resources In A Distributed System
81967715	Granted	7062557	7/10/2000	6/13/2006	09/613007	US	WEB SERVER REQUEST CLASSIFICATION SYSTEM THAT
							CLASSIFIES REQUESTS BASED ON USERS BEHAVIORS AND
83131974	Granted	9069954	5/20/2011	6/30/2015	13/699030	US	SECURITY THREAT DETECTION
(t	((ASSOCIATED WITH SECURITY EVENTS AND AN ACTOR
							CATEGORY MODEL
81974330	Granted	6684177	5/10/2001	1/27/2004	09/854212	US	COMPUTER IMPLEMENTED SCALABLE INCREMENTAL AND
							PARALLEL CLUSTERING BASED ON
							WEIGHTED DIVIDE AND CONQUER
81974333	Granted	6907380	12/1/2003	6/14/2005	10/726254	US	COMPUTER IMPLEMENTED SCALARIE INCREMENTAL AND
							PARALLEL CLUSTERING BASED ON
							WEIGHTED DIVIDE AND CONQUER

81988007	83131990		81986486			81986426		81986423	81986420		81986384		81985019			81983378				81982907		81982880		81977591		81977516		81977465			81977462		81977459	Patent ID
Oranted	Granted		Granted			Granted		Granted	Granted		Granted		Granted			Granted				Granted		Granted		Granted		Granted		Granted			Granted		Granted	Status
0823323	9009139		6772374			7003725		6912555	6950812		7127716		6944660			8005926				7581167		7685278		7213146		8554604		7065644			7062649		7181618	Patent No.
4/26/2001	6/10/2011		4/30/2001			7/13/2001		1/18/2002	9/17/2001		2/13/2002		5/4/2001			6/29/2005				5/17/2001		12/18/2001		2/20/2001		8/30/2001		1/12/2001			1/12/2001		1/12/2001	Filed Date
11/23/2004	4/14/2015		8/3/2004			2/21/2006		6/28/2005	9/27/2005		10/24/2006		9/13/2005			8/23/2011				8/25/2009		3/23/2010		5/1/2007		10/8/2013		6/20/2006			6/13/2006		2/20/2007	Grant Date
09/844202	13/699953		09/846007			09/905610		10/053987	09/954755		10/074799		09/848216			11/169971				09/858634		10/026061		09/789200		09/944969		09/759932			09/760236		09/760404	App No.
S	US		US		;	US		US	US		US		US			US				US		US		US		US		US			US		US	Country
Automatic Classification Method And Apparatus	QUERY PIPELINE	PREDICTION AND TROUBLESHOOTING TOOL	CONTINUOUS LANGUAGE-BASED	DOCUMENT	NORMALIZING DIRTY TEXT IN A	METHOD AND SYSTEM FOR	SEMI-STRUCTURED DOCUMENTS	METHOD FOR CONTENT MINING OF	Determining Accuracy Of A Classifier	Workflow Management System	Method Of Load Balancing A Distributed	Browser Event Activities	System And Method For Monitoring	Data Generated On Application Tier	Admission Control Based On Utilization	Tiered Web Site With Web-tier	APPLICATION	DYNAMIC URL-BASED WEB	AUTOMATED SIMULATION OF	METHOD AND SYSTEM FOR	On-line In A Dynamic Environment	Adapting Bayesian Network Parameters	Security Profiles Of Computers	System And Method For Establishing	Business Process	Method And Apparatus For Modeling A	Security Profile Of A Computer System	System And Method For Protecting A	Computer System	Security Profile Rules Within A	System And Method For Categorizing	Security Profile Of A Computer System	System And Method For Recovering A	App Title

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82579430	81998210	81997526	81997523	81997436	81996044	81995780	82081070	81989786	81989438	81988415	81988013	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
8577829	7536338	7403911	7493280	7693932	7096209	7962950	8271897	8560512	6763338	8117107	7221474	Patent No.
9/13/2010	9/10/2001	7/10/2001	7/10/2001	1/15/2002	5/10/2001	6/29/2001	5/24/2005	7/18/2002	4/5/2002	6/29/2001	7/27/2001	Filed Date
11/5/2013	5/19/2009	7/22/2008	2/17/2009	4/6/2010	8/22/2006	6/14/2011	9/18/2012	10/15/2013	7/13/2004	2/14/2012	5/22/2007	Grant Date
12/881036	09/955264	09/902880	09/902928	10/047629	09/854084	09/896019	11/135507	10/199664	10/116835	09/895690	09/917393	App No.
S	US	S	US	US	US	US	US	US	US	US	S	Country
Extracting Information From Unstructured Data And Mapping The Information To A Structured Schema Using The Naïve Bayesian Probability	METHOD AND SYSTEM FOR AUTOMATED BID ADVICE FOR AUCTIONS	METHOD AND SYSTEM FOR SETTING AN OPTIMAL PREFERENCE POLICY FOR AN AUCTION	Method And System For Setting An Optimal Reserve Price For An Auction	System And Method For Locating A Resource Locator Associated With A Resource Of Interest	Generalized Segmentation Method For Estimation/optimization Problem	System And Method For File System Mandatory Access Control	Method And System For Navigating A User Dialog Configured To Accomplish A Task	Finding Matching Locations, Trajectories Or Attributes While Maintaining Privacy Of Non-matching Information	MACHINE DECISIONS BASED ON PREFERENTIAL VOTING TECHNIQUES	Method For Auction Based Simulation To Extract Demand Curve	METHOD FOR VISUALIZING LARGE VOLUMES OF MULTIPLE-ATTRIBUTE DATA WITHOUT AGGREGATION USING A PIXEL BAR CHART	App Title

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
81998237	Granted	7907139	10/17/2001	3/15/2011	09/982481	US	METHOD FOR PLACEMENT OF DATA FOR VISUALIZATION OF
							MULTIDIMENSIONAL DATA SETS USING MULTIPLE PIXEL BAR CHARTS
81998420	Granted	6658358	5/2/2002	12/2/2003	10/138875	US	Method And System For Computing Forces On Data Objects For Physics-
							Based Visualization
81999926	Granted	7353184	3/7/2002	4/1/2008	10/091424	US	Customer-side Market Segmentation
82001612	Granted	7437734	8/12/2003	10/14/2008	10/640625	US	Propagating Web Transaction Context Into Common Object Model (COM)
							Business Logic Components
82001618	Granted	7484209	8/12/2003	1/27/2009	10/640626	US	Instrumenting Java Code By Modifying Rytecodes
82001621	Granted	7496903	8/12/2003	2/24/2009	10/640623	US	Synthesizing Application Response
	1						Measurement (ARM) Instrumentation
82004141	Oranted	/04024/	3/13/2002	3/10/2000	10/1409/4	US	GRAPHICAL DATA SETS HAVING A
							NON-UNIFORM GRAPHICAL
82006556	Granted	7610211	6/21/2002	10/27/2009	10/177273	US	Investigating Business Processes
82006562	Granted	7822658	6/4/2002	10/26/2010	10/164194	US	Dynamic Prioritization Of Activities
82006568	Granted	8120618	6/11/2002	2/21/2012	10/170062	US	System And Method For Visualization Of Objects Using Energy Minimization Of
							Customized Potential Functions
82579554	Granted	9166989	9/4/2009	10/20/2015	12/554541	US	Storing Log Data Efficiently While
82083581	Granted	6937238	3/20/2003	8/30/2005	10/392646	US	System For Visualizing Massive Web
							Transaction Data Sets Without
82084253	Granted	7644006	7/22/2002	1/5/2010	10/200306	SII	Semantically Investigating Rusiness
02004233	Oranied	/044000	112212002	1/3/2010	10/2002/01	US	Processes
82086413	Granted	7739313	5/30/2003	6/15/2010	10/448899	US	Method And System For Finding
							Conjunctive Clusters
82089086	Granted	7624035	2/5/2003	11/24/2009	10/360451	US	Extracting An Implied Value Of A
							Component Associated With A Plurality Of Product Packages

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82090310	Granted	7568023	12/24/2002	7/28/2009	10/327035	US	Method, System, And Data Structure For
							Monitoring Transaction Performance In A
							Findinged Computer Network
82091654	Granted	7415445	9/24/2002	8/19/2008	10/253041	US	Feature Selection For Two-class
							Classification Systems
82579553	Granted	9031916	12/28/2007	5/12/2015	11/966078	US	Storing Log Data Efficiently While
							Supporting Querying To Assist In
							Computer Network Security
82579397	Granted	8108550	10/24/2007	1/31/2012	11/923513	US	Real-Time Identification Of An Asset
							Model And Categorization Of An Asset
							To Assist In Computer Network Security
82579348	Granted	7437359	4/5/2006	10/14/2008	11/398863	US	Merging Multiple Log Entries In
							Accordance With Merge Properties And
							Mapping Properties
82014449	Granted	6260048	10/27/1998	7/10/2001	09/181136	US	Resolution Of Incidents Which Occur
							During The Use Of A Product
82579337	Granted	7844999	3/1/2005	11/30/2010	11/070024	US	Message Parsing In A Network Security
							System
82579332	Granted	7809131	12/23/2004	10/5/2010	11/021601	US	Adjusting Sensor Time In A Network
							Security System
82579327	Granted	7647632	1/4/2005	1/12/2010	11/029920	US	Object Reference In A System
82025498	Granted	6216140	9/17/1997	4/10/2001	08/931980	US	METHODOLOGY FOR THE
							EFFICIENT MANAGEMENT OF
							INFORMATION
82028633	Granted	5935251	12/22/1997	8/10/1999	08/995598	US	METHOD AND APPARATUS
							EXPEDITED LOG-ON TO AN
							APPLICATION PROGRAM
82579328	Granted	8065732	12/3/2009	11/22/2011	12/630573	US	Object Reference In A System
82028825	Granted	6078982	3/24/1998	6/20/2000	09/047248	US	PRE-LOCKING SCHEME FOR
							ALLOWING CONSISTENT AND
							CONCURRENT WORKFLOW
							PROCESS EXECUTION IN A
							WORKFLOW MANAGEMENT
							SYSTEM
82579317	Granted	7644438	10/27/2004	1/5/2010	10/975962	US	Security Event Aggregation At Software
							Agent

82050026	82045478	82043567	82039334	82038029	82035590	82035362	82029875	82579286	82579313	82579318	82029515		82028858
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted		Granted
7181678	6317788	6246403	7062780	6043816	6185329	6108800	6026402	7509677	7424742	8099782	6098054		6185600
1/29/2004	10/30/1998	10/8/1998	1/27/2004	5/29/1998	10/13/1998	2/10/1998	1/7/1998	5/4/2004	10/27/2004	11/17/2009	11/13/1997		12/8/1997
2/20/2007	11/13/2001	6/12/2001	6/13/2006	3/28/2000	2/6/2001	8/22/2000	2/15/2000	3/24/2009	9/9/2008	1/17/2012	8/1/2000		2/6/2001
10/767151	09/183420	09/168841	10/765621	09/087583	09/170995	09/021190	09/004131	10/839613	10/976075	12/620345	08/970064		08/986601
US	US	US	US	US	US	US	US	US	US	US	US		US
Document Clustering Method And System	ROBOT POLICIES FOR MONITORING AVAILABILITY AND RESPONSE OF NETWORK PERFORMANCE AS SEEN FROM USER PERSPECTIVE	METHOD AND APPARATUS FOR GENERATING A GRAPHICAL USER INTERFACE	Granular Access Control Of Inter-Process Communications In A Compartment Mode Workstation Labeled Environment	USER INTERFACE MECHANISM FOR MAINTAINING QUICK ACCESS TO IMPORTANT INFORMATION IN A WINDOWS-BASED COMPUTER ENVIRONMENT	Automatic Caption Text Detection And Processing For Digital Images	Method And Apparatus For Analyzing The Performance Of An Information System	A METHOD FOR RESTRICTING A PROCESS OR PROCESS HIERARCHY TO A SUBSET OF A HOS'T FILE SYSTEM	Pattern Discovery In A Network Security System	Dynamic Security Events And Event Channels In A Network Security System	Event Aggregation In A Network	METHOD OF SECURING SOFTWARE CONFIGURATION PARAMETERS WITH DIGITAL SIGNATURES	And System Events Using A Universal User Interface Generator, A Generic Product Specification Language, And Product Specific Interfaces	Universal Viewer/Browser For Network

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82579278	82579283	82947624	82579287	82947625	82947616	82059359	82059020	82058324	82058099	82055621	82051583	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
8015604	8528077	7177904	7984502	7822812	6701362	6971094	6584433	6738950	6944607	6834303	6526504	Patent No.
10/10/2003	4/9/2004	5/17/2001	10/1/2008	1/3/2007	2/23/2000	2/22/2000	10/4/2000	3/16/2000	10/4/2000	11/13/2000	11/18/1999	Filed Date
9/6/2011	9/3/2013	2/13/2007	7/19/2011	10/26/2010	3/2/2004	11/29/2005	6/24/2003	5/18/2004	9/13/2005	12/21/2004	2/25/2003	Grant Date
10/683221	10/821459	09/861094	12/243838	11/619497	09/510902	09/510747	09/684719	09/527387	09/684488	09/711785	09/442654	App No.
US	US	US	US	US	US	US	US	US	US	US	US	Country
Hierarchical Architecture In A Network Security System	Comparing Events From Multiple Network Security Devices	TECHNIQUES FOR SHARING CONTENT INFORMATION WITH MEMBERS OF A VIRTUAL USER GROUP IN A NETWORK ENVIRONMENT WITHOUT COMPROMISING USER PRIVACY	Pattern Discovery In A Network System	TECHNIQUES FOR SHARING CONTENT INFORMATION WITH MEMBERS OF A VIRTUAL USER GROUP IN A NETWORK ENVIRONMENT WITHOUT COMPROMISING USER PRIVACY	METHOD FOR CREATING USER PROFILES	Deployed Agent Used In The Installation And Maintenance Of Software	Harmonic Average Based Clustering Method And System	Method And System For Dynamic Generation Of Web Site Content For Specific User Communities From A Single Content Base	Aggregated Clustering Method And System	METHOD AND APPARATUS AUTO- DISCOVERING COMPONENTS OF DISTRIBUTED SERVICES	SYSTEM AND METHOD FOR SIZING COMPUTER SYSTEMS WITH VARIABLE RAMP-UP PERIOUS BY CALCULATING A THROUGHPUT FOR TARGET CONFIGURATION BASED ON DATA OBTAINED FROM A COMPUTER SUBSYSTEM	App Title

825	825	825	825	825	826	829	825	825	825	825	825	829	825	825	Pat
82581212	82579207	82579206	82579213	82579228	82644413	82948434	82579234	82579233	82579250	82579249	82579260	82947667	82579259	82579266	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
8527975	8056130	7376969	8176527	7899901	8560679	7085771	8365278	7607169	8613083	7219239	7861299	8527436	7260844	8230512	Patent No.
11/2/2007	4/4/2008	12/2/2002	12/2/2002	12/2/2002	2/18/2011	5/17/2002	9/10/2009	12/2/2002	4/25/2007	12/2/2002	8/9/2007	8/30/2010	9/3/2003	6/26/2009	Filed Date
9/3/2013	11/8/2011	5/20/2008	5/8/2012	3/1/2011	10/15/2013	8/1/2006	1/29/2013	10/20/2009	12/17/2013	5/15/2007	12/28/2010	9/3/2013	8/21/2007	7/24/2012	Grant Date
11/934722	12/098322	10/308415	10/308767	10/308416	13/031079	10/150795	12/557229	10/308418	11/740203	10/308585	11/836251	12/871879	10/655062	12/493012	App No.
US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	Country
Apparatus and Method for Analyzing Source Code Using Memory Operation Evaluation and Boolean Satisfiability	Real Time Monitoring And Analysis Of Events From Multiple Network Security Devices	Real Time Monitoring And Analysis Of Events From Multiple Network Security Devices	Correlation Engine With Support For Time-Based Rules	Method And Apparatus For Exercising And Debugging Correlations For Network Security System	Method And Apparatus For Exercising And Debugging Correlations For Network System	System and Method for Automatically Discovering a Hierarchy of Concepts from a Corpus of Documents	Displaying Information Regarding Time- Based Events	User Interface For Network Security Console	Method For Batching Events For Transmission By Software Agent	Method For Batching Events For Transmission By Software Agent	Threat Detection In A Network Security System	AUTOMATED PARSING OF E-MAIL MESSAGES	Threat Detection In A Network Security System	Timestamp Modification In A Network Security System	App Title

82580851	82581154	82581166	82581222	82581177	82951899	82951900	82948320	82581189	82581207	82948654	82948651	82948648	82948647	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
7571225	7207065	7975306	9400889	8347392	6999971	7461085	7031909	8528093	8209646	6314410	6604090	6532401	6259969	Patent No.
6/28/2007	12/10/2004	12/10/2004	4/9/2007	8/25/2006	5/8/2001	11/23/2005	3/12/2002	4/11/2007	11/2/2007	4/27/1998	2/3/1998	6/14/2001	2/3/1998	Filed Date
8/4/2009	4/17/2007	7/5/2011	7/26/2016	1/1/2013	2/14/2006	12/2/2008	4/18/2006	9/3/2013	6/26/2012	11/6/2001	8/5/2003	3/11/2003	7/10/2001	Grant Date
11/770454	11/010146	11/009572	11/733169	11/510135	09/851640	11/286233	10/096048	11/734114	11/934717	09/067322	09/018213	09/883129	09/017760	App No.
US	US	US	US	US	US	US	US	US	US	US	US	US	US	Country
STANDARD OPERATING PROCEDURE AUTOMATION IN DATABASE ADMINISTRATION	APPARATUS AND METHOD FOR DEVELOPING SECURE SOFTWARE	APPARATUS AND METHOD FOR MONITORING SECURE SOFTWARE	APPARATUS AND METHOD FOR DEVELOPING SECURE SOFTWARE	Apparatus and method for analyzing and supplementing a program to provide security	PARAMETRIC GROUP PROCESSING	APPARATUS AND METHOD FOR PARAMETRIC GROUP PROCESSING	METHOD AND SYSTEM FOR NAMING A CLUSTER OF WORDS AND PHRASES	Apparatus and Method for Performing Dynamic Security Testing with Static Analysis Data	Apparatus and Method for Analyzing Source Code Using Path Analysis and Boolean Satisfiability	System and method for identifying the context of a statement Made to a virtual robot	System and method for selecting responses to user input in an automated interface program	Methods for automatically verifying the performance of a virtual robot	System and method for automatically verifying the performance of a virtual robot	App Title

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82580859	Granted	8738753	3/16/2009	5/27/2014	12/405109	S	PROCEDURE AUTOMATION IN
82580853	Granted	7529827	12/10/2007	5/5/2009	11/953563	US	STANDARD OPERATING
				,	,	:	PROCEDURE AUTOMATION IN
							DATABASE ADMINISTRATION
82948545	Granted	8688695	5/26/2011	4/1/2014	13/116763	US	COMPUTERIZED SEARCHABLE
							SEPARATE METADATA AND
							CONTENT STORES AND FULL TEXT
							INDEXES
82948554	Granted	8788601	5/26/2011	7/22/2014	13/116330	US	RAPID NOTIFICATION SYSTEM
82948629	Granted	8935214	8/16/2010	1/13/2015	12/856904	US	STORING ELECTRONIC CONTENT
							WITH TIME-VARYING PROTERTIES
82948094	Granted	5913205	3/28/1997	6/15/1999	08/825831	US	QUERY OPTIMIZATION FOR VISUAL
82948095	Granted	5893095	3/28/1997	4/6/1999	08/829791	US	SIMILARITY ENGINE FOR
							CONTENT-BASED RETRIEVAL OF
90081008	Grantad	5015250	3/28/1007	6/22/1000	08/870700	110	A VISITAL IMAGE DATARASE
			:			:	SEARCH ENGINE WHICH ALLOWS
							FOR DIFFERENT SCHEMA
82948097	Granted	5911139	3/28/1997	6/8/1999	08/828360	US	A VISUAL IMAGE DATABASE
							FOR DIFFERENT SCHEMA
82948101	Granted	5983237	8/21/1997	11/9/1999	08/916904	US	VISUAL DICTIONARY
82948664	Granted	8576342	1/30/2012	11/5/2013	13/361903	US	SYSTEM AND METHOD FOR
							DETECTING SCENE CHANGES IN A
\$0187068	Granted	\$10701 <i><</i>	6/6/1007	1/31/2012	758028/	116	DIGITAL VIDEO STREAM
82948110	Granted	6084595	2/24/1998	7/4/2000	09/078779	IIS	INDEXING METHOD FOR IMAGE
02710110	Ciuncu	000 1070	FI F 11 F 2 2 0	11 11 2000	071000017	Co	SEARCH ENGINE
82948115	Granted	7093191	12/21/2001	8/15/2006	10/032042	US	VIDEO CATALOGER SYSTEM WITH
							SYNCHRONIZED ENCODERS
82948122	Granted	7295752	2/5/2002	11/13/2007	10/067550	US	VIDEO CATALOGER SYSTEM WITH
)						AUDIO TRACK EXTRACTION
82948114	Granted	6360234	8/14/1998	3/19/2002	09/134497	US	VIDEO CATALOGER SYSTEM WITH SYNCHRONIZED ENCODERS
							O LINCHINGINIZED ENCODERS

	82097639 G	82097534 Gr	82097450 Gr			82060091 Gr					82060055 Gr					82060049 Gr		82948147 Gr			82948135 Gr		82948136 Gr		82948130 Gr		82948131 Gr			82948125 Gr		_	Patent ID St	
Granted	Granted	Granted	Granted			Granted					Granted					Granted		Granted			Granted		Granted		Granted		Granted			Granted		d	Status	
8290153	7483537	8046624	7499984			7171554					7099938					6732118		8548978			7222163		7769827		6833865		7403224			6877134		6463444	Patent No.	
12/19/2008	2/10/2003	10/20/2003	3/23/2004			8/13/2001					3/23/2001					3/26/2001		8/21/2007			4/6/2001		5/22/2007		7/29/1999		9/10/2004			7/29/1999		8/14/1998	Filed Date	
10/16/2012	1/27/2009	10/25/2011	3/3/2009			1/30/2007					8/29/2006					5/4/2004		10/1/2013			5/22/2007	!	8/3/2010		12/21/2004		7/22/2008			4/5/2005		10/8/2002	Grant Date	
12/340490	10/364219	10/687694	10/806431			09/928859					09/816940					09/817486		11/842740			09/827772		11/752206		09/363973		10/939216			09/363974		09/134498	App No.	
SN	SN	US	US			US				Č	US					SU		SD			SU	i	SU		SU		SU			SU		US	Country	
Selecting Cached Rsa-keys In Response To RSA Key Requests	SELECTING CACHED RSA KEYS IN RESPONSE TO RSA KEY REQUESTS	Propagation Of Viruses Through An Information Technology Network	Status-message Mapping	Technological Network	System For Providing A Switch User	Method, Computer Program Product And	TECHNOLOGY ENVIRONMENT	SERVICES OF AN INFORMATION	PRODUCT FOR MONITORING	AND COMPLITER PROGRAM	METHOD, COMUPTER SYSTEM,	TECHNOLOGY ENVIRONMENT	OBJECTS OF AN INFORMATION	PRODUCT FOR MONITORING	AND COMPUTER PROGRAM	METHOD, COMPUTER SYSTEM,	SPIDERING	NETWORK VIDEO GUIDE AND	OVER A NETWORK	HOSTING OF VIDEO CONTENT	SYSTEM AND METHOD FOR	HOSTING	INTERACTIVE VIDEO APPLICATION	IN DIGITAL CAPTURE DEVICES	EMBEDDED METADATA ENGINES	IN DIGITAL CAPTURE DEVICES	EMBEDDED METADATA ENGINES	SYSTEM AND METHOD	TIME METADATA CAPTURE	INTEGRATED DATA AND REAL-	EXTENSIBILITY	VIDEO CATALOGER SYSTEM WITH	App Title	

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Patent ID 82097672	Status Granted	Patent No. 7240039	Filed Date 10/29/2003	Grant Date 7/3/2007	App No. 10/695707	Country	App Title System And Method For Combining
							Valuations Of Multiple Evaluators
82097675	Granted	7634450	12/12/2003	12/15/2009	10/734459	SU	SYSTEM AND METHOD FOR
							DETERMINING DIFFICULTY
							MEASURES FOR TRAINING CASES USED IN DEVELOPING A SOLUTION
							TO A PROBLEM
82098767	Granted	8069075	3/5/2003	11/29/2011	10/378872	US	Method And System For Evaluating
							Performance Of A Website Using A
							Customer Segment Agent To Interact
							With The Website According To A
							Behavior Model
82098806	Granted	7924874	3/11/2003	4/12/2011	10/387148	US	Evaluating And Allocating System
							Resources To Improve Resource
							Utilization
82098899	Granted	7426525	8/8/2003	9/16/2008	10/637308	US	METHOD AND APPARATUS FOR
							IDENTIFYING AN OBJECT USING AN
82099127	Granted	8185348	10/31/2003	5/22/2012	10/698736	US	Techniques For Monitoring A Data
							Stream
82099442	Granted	7496658	7/8/2003	2/24/2009	10/615547	US	Systems And Methods For Testing
							Network Services
82102733	Granted	7567250	10/27/2003	7/28/2009	10/694076	US	Visual Boundaries For Aggregate
							Information In Pixel-oriented Graphs
82110674	Granted	6378072	2/3/1998	4/23/2002	09/017759	US	CRYPTOGRAPHIC SYSTEM
82110677	Granted	7055029	9/7/2001	5/30/2006	09/949323	US	CRYPTOGRAPHIC SYSTEM
							ENABLING OWNERSHIP OF A
							SECURE PROCESS
82118198	Granted	7016494	3/26/2001	3/21/2006	09/818074	US	MULTIPLE CRYPTOGRAPHIC KEY
							PRECOMPUTE AND STORE
82118210	Granted	7318160	2/1/2002	1/8/2008	10/062808	US	Cryptographic Key Setup In Queued
							Cryptographic Systems
82122038	Granted	7392384	6/28/2002	6/24/2008	10/187266	US	Method And System For Secure Storage,
							Transmission And Control Of
							Cryptographic Keys
82122077	Granted	7660421	6/28/2002	2/9/2010	10/187404	US	Method And System For Secure Storage,
							Transmission And Control Of
							Cryptographic Keys

82179935	82179755	82176512	82175963	82173590	82173455	82173389	82171988	82171802	82171334	82169609	82169216	82169201	82169195	82166300	82122080	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
8412671	7831499	7284155	7509651	7275020	7539690	7924732	6931350	7505967	8045713	7512800	7796515	7373665	7437758	7120902	8135132	Patent No.
8/13/2004	10/10/2003	3/29/2004	5/23/2003	12/23/2003	10/27/2003	4/19/2005	8/28/2003	1/21/2004	3/30/2004	2/3/2004	4/28/2004	10/31/2003	10/31/2003	12/4/2001	12/23/2009	Filed Date
4/2/2013	11/9/2010	10/16/2007	3/24/2009	9/25/2007	5/26/2009	4/12/2011	8/16/2005	3/17/2009	10/25/2011	3/31/2009	9/14/2010	5/13/2008	10/14/2008	10/10/2006	3/13/2012	Grant Date
10/918587	10/683985	10/810663	10/445237	10/742776	10/694367	11/109285	10/650589	10/761642	10/814608	10/772065	10/833057	10/697645	10/697044	10/005923	12/645516	App No.
US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	Country
System And Method For Developing A Star Schema	Method And System For Controlling Feedback For An Online Auction	REMOTE SOFTWARE SUPPORT AGENT SYSTEM WITH ELECTRONIC DOCUMENTS FOR TROUBLESHOOTING	System And Method For Providing Event Notifications To Information Technology Resource Managers	Method And System For Testing A Computer System By Applying A Load	Data Mining Method And System Using Regression Clustering	Quality Of Service In IT Infrastructures	Regression-Clustering For Complex Real- World Data	Displaying Metrics From An Alternative Representation Of A Database	Cryptographic Key Update Management Method And Apparatus	Key Management Technique For Establishing A Secure Channel	Propagation Of Viruses Through An Information Technology Network	PROPAGATION OF VIRUSES THROUGH AN INFORMATION TECHNOLOGY NETWORK	Propagation Of Viruses Through An Information Technology Network	Method And Apparatus For Automatically Inferring Annotations	Method And System For Secure Storage, Transmission And Control Of Cryptographic Keys	App Title

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82193273	82192115	82189013			82188896		82188563	82188101		82186181		82186154						0210000	82183907					82183901			82183859			82181165	Patent ID
Granted	Granted	Granted			Granted		Granted	Granted		Granted		Granted						Ciallica	Granted					Granted			Granted			Granted	Status
7234060	7756871	7730452			7932906		7593903	7971191		7508773		7202868						100000	7580906					7257514			7962916			7643029	Patent No.
7/11/2000	10/13/2004	11/1/2005			9/15/2004		12/3/2004	6/10/2004		4/6/2005		3/31/2004						110112001	7/31/2007					4/6/2005			4/5/2005			2/6/2004	Filed Date
6/19/2007	7/13/2010	6/1/2010			4/26/2011		9/22/2009	6/28/2011		3/24/2009		4/10/2007						0/20/2000	8/25/2009					8/14/2007			6/14/2011			1/5/2010	Grant Date
09/614487	10/964094	11/264799			10/941114		11/004317	10/865464		11/099708		10/814403						11/00/1000	11/831508					11/099851			11/098830			10/774315	App No.
US	US	US			US		US	US		US		US						ç	SII					US			US			US	Country
Generation And Use Of Digital Signatures	ARTICLE EXTRACTION	Testing A Component Of A Distributed System	ANALYSIS	EQUAL-WIDTH PIXEL BAR CHARTS	CONSTRUCTING SUBSTANTIALLY	FEATURE SELECTION OF PARTIALLY LABELED DATA	METHOD AND MEDIUM FOR	System And Method For Analyzing A Process	CAPACITY OF A COMPUTER SYSTEM	METHOD OF ANALYZING THE	PATTERNS	SYSTEM AND METHOD FOR VISUAL RECOGNITION OF PATHS AND	INTERVENTION IS REQUIRED	WHETHER HUMAN EXPERT	LEVELS USED TO DETERMINE	SOLUTIONS HAVING CONFIDENCE	GENERATING PROBLEM	COMPUTER SUPPORT SYSTEM	AN AITTOMATED ADAPTIVE	SOLUTIONS	ALTEOMATICALLY CENERATED	UPDATES AS A FUNCTION OF PRE-	WITH SOLUTION FUNCTION	COMPUTER SUPPORT SERVICE	COMPUTER SYSTEM RESOURCES	AMONGST TWO OR MORE	METHOD OF DISTRIBUTING LOAD	Drilldown Sequences	Visual Comparison Based On User	Method And System For Automated	App Title

82202690		82202615	82202498			82201739		82200401		82200299	82197998			82197758		82197251		82197248			82197245	82196048		82194656		82194401		82194227			82194224	82193741		82193456	Patent ID
Granted		Granted	Granted			Granted		Granted		Granted	Granted			Granted		Granted		Granted			Granted	Granted		Granted		Granted		Granted			Granted	Granted		Granted	Status
7714876		8631391	7831635			7802084		7325006		7363306	7437334			7620978		7827499		7467145			7428486	7353378		8275757		8260730		7325005			8165972	7406452		8175852	Patent No.
3/10/2005		1/24/2005	8/26/2005			11/24/2004		7/30/2004		1/27/2005	12/3/2004			7/29/2005		10/29/2004		4/15/2005			1/31/2005	2/18/2005		6/14/2005		3/14/2005		7/30/2004			4/22/2005	3/17/2005		2/11/2005	Filed Date
5/11/2010		1/14/2014	11/9/2010			9/21/2010		1/29/2008		4/22/2008	10/14/2008			11/17/2009		11/2/2010		12/16/2008			9/23/2008	4/1/2008		9/25/2012		9/4/2012		1/29/2008			4/24/2012	7/29/2008		5/8/2012	Grant Date
11/076700		11/041653	11/212960			10/578091		10/903008		11/045563	11/004318			11/193707		10/977463		11/107285			11/047163	11/061392		11/153861		11/080098		10/902924			11/113251	11/083320		11/057328	App No.
US		US	US			US		US		US	US			US		US		US			US	US		US		US		US			US	US		US	Country
METHOD AND SYSTEM FOR CREATING VISUALIZATIONS	Discovery	A Method And A System For Process	Collecting Information At A Remote Site	Images For Computers	And Installation Of Operating System	System And Method For Management	Organization	System And Method For Category	GRAPHICAL REPRESENTATION	METHOD AND SYSTEM FOR	Preparing Data For Machine Learning	Sign-on	An Ensemble Of Devices Using Single	Securely Propagating Authentication In	DASHBOARD VIEW	HIERARCHICAL DATASET	Processes	System And Method For Analyzing	SIMULATION PARAMETERS	GENERATING PROCESS	SYSTEM AND METHOD FOR	Optimizing Computer System	Monitoring	Apparatus And Method For Process	Classification Count Adjustment	A Method Of, And System For,	Discovery	System And Method For Category	Classifer	Indication Of A Concept Using A	Determining A Feature Related To An	Machine Learning	driven Analysis Of Operations	Method Of, And System For, Process-	App Title

Computing A Count Of Cases In A Class	US	11/490781	3/10/2009	7/21/2006	7502767	Granted	82216133
Dynamic Data Navigation	US	11/413808	10/7/2014	4/28/2006	8856105	Granted	82215809
COMPUTER NETWORK MANAGEMENT	US	11/873636	5/29/2012	10/17/2007	8190416	Granted	82215239
System And Method For Modifying A Training Set	US	11/241082	9/14/2010	9/29/2005	7797282	Granted	82213970
Count Estimation Via Machine Learning	US	11/406689	6/3/2014	4/19/2006	8744987	Granted	82212998
TECHNOLOGY NETWORK							
CODE THROUGH AN INFORMATION	S	11/494289	9/22/2015	//26/2006	9143324	Granted	82212611
Providing A Position Based Dictionary	US	11//00465	5/21/2013	1/31/2007	844/58/	Granted	82212089
Providing A Topic List	US	11/700430	6/30/2009	1/31/2007	7555427	Granted	82212086
Portions Of A Text							
Identifying Semantic Positions Of	US	11/588690	1/22/2013	10/27/2006	8359190	Granted	82212083
Segmentation Of A Data Sequence	US	11/345834	7/20/2010	2/1/2006	7761458	Granted	82212008
RESTORATION (As Amended)							
STATE MACHINE EVENT	US	11/411997	6/4/2013	4/25/2006	8458336	Granted	82210196
Secure Circuit Assembly	US	11/125458	6/16/2009	5/10/2005	7549064	Granted	82209524
Groups Of Categories							
Comparing Distributions Of Cases Over	US	11/393487	2/23/2010	3/30/2006	7668789	Granted	82208933
RANKING OF CATEGORIES							
INFORMATION THAT ENABLES							
CATEGORY BASED ON							
AN ISSUE ASSOCIATED WITH A							
EFFECTING ACTION TO ADDRESS	US	11/172187	9/22/2009	6/30/2005	7593904	Granted	82208921
Associated With Cases In A Category							
Computing A Quantification Measure	US	11/118786	6/2/2015	4/29/2005	9047290	Granted	82208918
Discovery							
A System And Method For Process	US	11/116862	4/16/2013	4/28/2005	8423396	Granted	82208885
Software Release Validation	US	11/193815	9/20/2011	7/29/2005	8024303	Granted	82208036
Logic Into A Document							
Providing A Functionality By Loading	US	11/389747	2/18/2014	3/27/2006	8656269	Granted	82206389
Error Reporting And Resolution							
Systems And Methods For Controlling	US	11/377755	6/30/2015	3/15/2006	9069666	Granted	82205438
Manufacture							
Management Systems, And Articles Of							
Image Management Methods, Image	US	11/495847	4/12/2011	7/27/2006	7925650	Granted	82205264
App Title	Country	App No.	Grant Date	Filed Date	Patent No.	Status	Patent ID
					-	-	

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Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82210142	Granted	1919217	//31/2000	10/19/2010	11/49080/	US	CLUSTERS OF OBJECTS IN AN
							ARBITRARY UNDIRECTED GRAPH
							USING A DIFFERENCE BETWEEN A
							FRACTION OF INTERNAL
							CONNECTIONS AND MAXIMUM
							FRACTION OF CONNECTIONS BY
							AN OUTSIDE OBJECT
82216277	Granted	8762514	10/5/2005	6/24/2014	12/047512	US	Load-testing Device And Load-testing
							Method
82216778	Granted	7836026	4/19/2007	11/16/2010	11/785711	US	METHOD, APPARATUS AND
							SOFTWARE FOR VERIFYING A
							PARAMETER VALUE AGAINST A
							PREDETERMINED THRESHOLD
							FUNCTION
82216889	Granted	8548947	4/28/2006	10/1/2013	11/413534	US	Systems And Methods For File
							Maintenance
82217258	Granted	8396737	2/21/2006	3/12/2013	11/358376	US	Website Analysis Combining Quantitative
							And Qualitative Data
82220342	Granted	7558766	9/29/2006	7/7/2009	11/536643	US	Classification Using Enhanced Feature
							Sets
82220393	Granted	8539349	10/31/2006	9/17/2013	11/555274	US	Methods And Systems For Splitting A
							Chinese Character Sequence Into Word
							Segments
82220396	Granted	7822675	10/24/2006	10/26/2010	11/552510	US	GENERATION OF COST OR PRICE
							QUOTATIONS
82220711	Granted	8086520	10/11/2006	12/27/2011	11/546042	US	Constraint Satisfaction For Solutions To
							An Auction Winner-determination
							Problem
82817345	Granted	8275669	8/4/2011	9/25/2012	13/197993	US	AUCTION METHOD AND
							APPARATUS
82222670	Granted	7926089	7/14/2006	4/12/2011	11/486684	US	Router For Managing Trust Relationships
82222946	Granted	8799041	10/31/2006	8/5/2014	11/590110	US	Calculating An Amount Of Enterprise
							Resource Tobe Assigned Based On
							Received Parameters
82223057	Granted	8885928	10/25/2006	11/11/2014	11/552968	US	CLASSIFICATION USING FEATURE
							SCALING
82224305	Granted	7877433	10/16/2006	1/25/2011	11/581828	US	Infrastructure By Contract

Patent ID	Status	Patent No	Filed Date	Crant Date	Am Na	Country	Ann Title
82224437	Granted	7756799	10/27/2006	7/13/2010	11/588694	US	Feature Selection Based On Partial
							Ordered Set Of Classifiers
82224440	Granted	7797323	10/11/2006	9/14/2010	11/546235	US	Producing Representative Hashes For Segments Of A File
82224530	Granted	7792353	10/31/2006	9/7/2010	11/555036	US	RETRAINING A MACHINE- LEARNING CLASSIFIER USING RE- LABELED TRAINING SAMPLES
82224668	Granted	7895121	10/31/2006	2/22/2011	11/591388	US	Method And System For Tracking Conversions In A System For Targeted Data Delivery
82224671	Granted	9311611	6/16/2006	4/12/2016	11/454733	US	Data Delivery Automated Service Level Management
(1				6	System
82225043	Granted	7924810	9/19/2007	4/12/2011	11/902131	US	Method And Computing System For Controlling Access
82225244	Granted	8438560	10/18/2007	5/7/2013	11/874440	SU	Resource Assessment Method And
27775853	Granted	7571060	12/22/2006	8/4/2000	11/644168	SII	DATA ASSID ANCE WORKELOW
				:			DERIVATION AND EXECUTION
82226246	Granted	8195487	10/16/2007	6/5/2012	11/872861	US	Computer Networks
82227167	Granted	7926031	4/18/2007	4/12/2011	11/736833	US	Configuration Management Database And System
82227701	Granted	7836175	4/15/2008	11/16/2010	12/103319	US	Apparatus And Method For Processing Management Information
82228493	Granted	8762355	1/23/2008	6/24/2014	12/018514	US	Generating Configuration Files
82228820	Granted	7921410	4/9/2007	4/5/2011	11/784611	US	ANALYZING AND APPLICATION OR SERVICE LATENCY
82229138	Granted	7788064	4/30/2007	8/31/2010	11/796814	US	FOCUS-BASED VISUAL ANALYTIC TECHNIQUES FOR EXPLORING DATA RELATIONSHIPS
82229141	Granted	7760203	4/30/2007	7/20/2010	11/742512	US	GRAPHIC COLOR-PIXEL-BASED VISUAL-ANALYTIC REPRESENTATIONS FOR DATASETS
82230734	Granted	9047202	4/30/2007	6/2/2015	11/799188	US	Creating A Relationship Tree Representing Relatinship Of Graphs To Enable Navigatin Through The Graphs Without Accessing An Input Data Set
82231850	Granted	7921363	4/30/2007	4/5/2011	11/796817	US	Applying Data Thinning Processing To A Data Set For Visualization

82233209	82233179	82233170	82232861	82232858		82232711			82232681		82232675		82232666		82232543	82231913			82231853	Patent ID
Granted	Granted	Granted	Granted	Granted		Granted			Granted		Granted		Granted		Granted	Granted		Ci di	Granted	Status
6754701	6560564	6477483	6564342	6449739		6360332			6549944		5974572		6341310		7197559	7797341		0 0	8074843	Patent No.
5/5/2000	7/8/2002	1/17/2000	5/31/2002	1/17/2000		6/21/1999			7/6/2000		10/14/1997		10/26/1998		10/19/2001	4/30/2007			4/30/2007	Filed Date
6/22/2004	5/6/2003	11/5/2002	5/13/2003	9/10/2002		3/19/2002			4/15/2003		10/26/1999		1/22/2002		3/27/2007	9/14/2010			12/30/2014	Grant Date
09/565832	10/192816	09/484684	10/161460	09/484686		09/337082			09/610909		08/949680		09/178707		10/038098	11/799212		***************************************	11/796809	App No.
US	US	US	US	US		US			US		US		SU		SU	US		(IIS	Country
USE OF A SINGLE THREAD TO SUPPORT MULTIPLE NETWORK CONNECTIONS FOR SERVER LOAD TESTING	SYSTEM AND METHODS FOR LOAD TESTING A TRANSACTIONAL SERVER OVER A WIDE AREA NETWORK	SERVICE FOR LOAD TESTING A TRANSACTIONAL SERVER OVER THE INTERNET	POST-DEPLOYMENT MONITORING OF SERVER PERFORMANCE	POST-DEPLOYMENT MONITORING OF SERVER PERFORMANCE	METHODS FOR TESTING THE FUNCTIONALITY OF A TRANSACTIONAL SERVER	SOFTWARE SYSTEM AND	EVALUATING PERFORMANCE OF WEB SITES	SCENARIOS FOR EXERCISING AND	USE OF SERVER ACCESS LOGS TO	FOR GENERATING A LOAD TEST USING A SERVER ACCESS LOG	SOFTWARE SYSTEM AND METHOD	ANALYSIS OF WEB SITE USAGE DATA	SYSTEM AND METHODS FOR FACILITATING THE VIEWING AND	Performance Of A Server System	Transaction Breakdown Feature To Facilitate Analysis Of End User	Desensitizing Database Information	Display Region	Corresponding Cell Based Lines Of A	Visualizing A Physality Of Time Series In	App Title

82233393	8223387	07722507		82233584	82233572	02233307	0222260	82233563			82233335			82233260			82233257			82233254			82233245			82233239		82233230	Patent ID
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0031411	7047277	LLCLVUL		6633912	6631408	0138137	6120157	8108409			6738933			7822844			7401143			6792460			6898556			6694288		6973489	Patent No.
//13/2001	//13/2001	7/12/2001		7/13/2001	8/30/2000	10/12/1330	10/12/1000	7/19/2007			10/19/2001			3/3/2004			3/3/2004			1/20/2003			9/26/2003			8/6/2002		3/21/2000	Filed Date
10/7/2003	3/10/2000	5/16/2006		10/14/2003	10/7/2003	10/24/2000	10/04/2000	1/31/2012			5/18/2004			10/26/2010			7/15/2008			9/14/2004			5/24/2005			2/17/2004		12/6/2005	Grant Date
09/900072	09/903047	00/005647		09/906946	09/651833	05/1/0130	00/170120	11/880390			10/039271			10/792150			10/792145			10/348203			10/672445			10/214421		09/531821	App No.
US	5	2116		US	US	US	110	US			US			US			US			US			$^{ m CO}$			US		US	Country
MONITORING A CHAIN OF ELECTRONIC TRANSACTIONS	INPLEMENTED METHOD FOR CREATING CONFIGURATION FILES FOR WEB TRANSACTION TESTS	SYSTEM AND COMPLITED	APPARATUS FOR PROVIDING AN ENTERPRISE PORTAL	SYSTEM, METHOD AND	TESTING WEB SITES	TESTING WEB SITES	METHOD AND ADDADATHS FOR	Determining Top Combinations of Items To Present To A Hear (as amended)	DEGRADATIONS	SERVER SYSTEM PERFORMANCE	ROOT CAUSE ANALYSIS OF	SERVER PERFORMANCE	MONITORING APPLICATION	SYSTEM AND METHODS FOR	SERVER PERFORMANCE	MONITORING APPLICATION	SYSTEM AND METHODS FOR	SERVER PERFORMANCE	MONITORING APPLICATION	SYSTEM AND METHODS FOR	PERFORMANCE OF A SERVER	METHODS FOR ANALYZING THE	SOFTWARE SYSTEM AND	TESTING RESULTS	AUTOMATED ANALYSIS OF LOAD	SYSTEM AND METHOD FOR	POINTS OF PRESENCE	SERVER MONITORING VIRTUAL	App Title

82235354	82235246	82235240	82235237				82235111		82235084	82234994	82234799		02234170	30112668		82234037			82234028						82233617			82233602					82233599	Patent ID
Granted	Granted	Granted	Granted				Granted		Granted	Granted	Granted		OI allicu	Grantad		Granted			Granted						Granted			Granted					Granted	Status
9430562	8224739	8046294	8856123				8022952		7921025	7761466	9064119		7043207	73CE V00		7996853			7003781						6738813			6144962					5958008	Patent No.
9/30/2008	7/30/2007	7/30/2007	7/20/2007				7/31/2007		7/19/2007	7/30/2007	10/1/2008		110012001	7/30/2007		10/4/2005			5/5/2000						9/11/2000			4/11/1997					4/11/1997	Filed Date
8/30/2016	7/17/2012	10/25/2011	10/7/2014				9/20/2011		4/5/2011	7/20/2010	6/23/2015		3/20/2013	5/26/2015		8/9/2011			2/21/2006						5/18/2004			11/7/2000					9/28/1999	Grant Date
12/242752	11/830606	11/830698	11/780803				11/888118		11/879977	11/830841	12/242998		11/050/71	11/820701		11/243240			09/564929						09/659476			08/843265					08/837012	App No.
US	US	US	US				US		US	US	US		Co	211		US			US						US			US					US	Country
Classifier Indexing	Allocating Goods To Bidders In Combinatorial Auctions	Bidding In Online Auctions	Document Clasification	Data Set	Focus Area And Other Portions Of A	Ivining Kesults Frodced From Selected	Generating A Visualization To Show	Market Participants	Building Market Models for Plural	Hash-based Image Identification	Information Scanning Across Multiple Devices	MODEL	MANAGING A DATA MINING	METHODS AND SYSTEMS FOR	Of Events In A Distributed Multi-system	Method And Apparatus For Correlation	Computing Environment	Of Events In A Distributed Multi-system	Method And Apparatus For Correlation	DEVICES	CAPACITY OF USER COMPUTING	OTHERWISE UNUSED PROCESSING	SERVER SYSTEM USING	MONITORING PERFORMANCE OF A	SYSTEM AND METHOD FOR	STRUCTURES	AND HIERARCHICAL DATA	VISUALIZATION OF WEB SITES	DOCUMENTS	DYNAMICALLY-GENERATED WEB	SCANNING AND MAPPING	ASSOCIATED METHODS FOR	SOFTWARE SYSTEM AND	App Title

Patent ID 82235456	Status	Patent No. 8898558	9/29/2008	11/25/2014	App No.	Country	App Title Managing Multimodal Annotations Of An
						Č	Image
82235678	Granted	8180723	9/27/2008	5/15/2012	12/239747	US	ROOT CAUSE ANALYSIS IN A
							SYSTEM HAVING A PLURALITY OF INTER-RELATED ELEMENTS
82235684	Granted	8180718	9/27/2008	5/15/2012	12/239751	US	ENGINE FOR PERFORMING ROOT
82235708	Granted	8447719	9/27/2008	5/21/2013	12/239755	US	COMPILATION OF CAUSAL RULES
1			1	1	1	1	INTO CONTINUATIONS
82236488	Granted	8266599	9/30/2008	9/11/2012	12/241730	US	Output From Changed Object On
							Application
82237892	Granted	7937273	9/27/2008	5/3/2011	12/239756	US	Change Collision Calculation System And Method
82238048	Granted	8302168	10/30/2008	10/30/2012	12/261913	US	Push Artifact Binding For
							System
82238507	Granted	8359582	9/27/2008	1/22/2013	12/239745	US	Compiling And Inserting Code Snippets At Runtime
82239407	Granted	9069613	9/30/2008	6/30/2015	12/242707	US	Processing Batch Database Workload While Avoiding Overload
82239587	Granted	8635593	9/30/2008	1/21/2014	12/241661	US	Dynamic Autocompletion Tool
82240094	Granted	8427478	10/28/2008	4/23/2013	12/290252	US	Displaying Continually Incoming Time Series Data That Uses Overwriting Of
							While Another Portion Of The Time
)						Series Data Remains Unshifted
82241288	Granted	8924794	2/21/2008	12/30/2014	12/867445	US	Method And Computer Program Product For Forecasting System Behavior
82241645	Granted	8392383	9/26/2008	3/5/2013	12/239433	US	System And Method For Recording Files Of Data
82241720	Granted	8972410	5/11/2009	3/3/2015	12/463972	US	Identifying Related Objects In A
	!						Computer Database
82241990	Granted	8549480	9/27/2008	10/1/2013	12/239753	US	Maintenance For Automated Software Testing
82242758	Granted	8627330	10/22/2008	1/7/2014	12/256361	US	Managing A Workload In A Database

Datast ID	Status	Datast No.	Ellad Data	Canat Data	A say No	Cant	Ass Till
82242923	Granted	9424539	10/30/2008	8/23/2016	12/261760	US	SYSTEMS AND METHODS FOR
							DEFINING BEST PRACTICES, MANAGING BEST PRACTICES, AND
							VALIDATING SERVICE MODELS
82242932	Granted	8275762	10/21/2008	9/25/2012	12/255613	US	Reverse Mapping Of Feature Space To
							Predict Execution In A Database
82243058	Granted	8627325	10/24/2008	1/7/2014	12/258226	US	Scheduling Memory Usage Of A
							Workload
82244150	Granted	6763361	10/31/2000	7/13/2004	09/699348	US	Object-oriented Database Abstraction
							And Statement Generation
82244156	Granted	6658426	10/31/2000	12/2/2003	09/699349	US	Object-oriented Database Abstraction
							And Statement Generation
82244234	Granted	7451071	7/26/2001	11/11/2008	09/766615	US	Data Model For Automated Server
							Configuration
82244324	Granted	6996845	11/28/2000	2/7/2006	09/722655	US	Internet Security Analysis System And
							Process
82244327	Granted	/20086/	2///2006	4/3/2007	11/348416	S	Webcrawl Internet Security Analysis And
82244330	Granted	7444680	4/2/2007	10/28/2008	11/695147	US	Webcrawl Internet Security Analysis And
							Process
82244342	Granted	7647631	12/7/2004	1/12/2010	11/007713	US	Automated User Interaction In
							Application Assessment
82244348	Granted	8566945	2/11/2005	10/22/2013	11/056928	US	System And Method For Testing Web
							Applications With Recursive Discovery
							And Analysis
82244351	Granted	7765597	8/1/2006	7/27/2010	11/461766	US	Integrated Crawling And Auditing Of
							Web Applications And Web Content
82244375	Granted	8266700	5/16/2005	9/11/2012	10/908520	US	SECURE WEB APPLICATION
							DEVELOPMENT ENVIRONMENT
82244378	Granted	8800042	8/21/2006	8/5/2014	11/465916	US	Secure Web Application Development
							And Execution Environment
82244390	Granted	8656495	11/17/2006	2/18/2014	11/560969	US	Web Application Assessment Based On
							Intelligent Generation Of Attack Strings
82244429	Granted	9286197	5/29/2008	3/15/2016	12/937350	US	Method And System Of Testing Software
							Using Real Time Replication

Datant ID	Status	Datant Na	Etiad Data	Cuant Data	A mm NI	Country	A say Title
82244645	Granted	8789039	9/26/2008	7/22/2014	12/239373	US	Method And System Of Installing A
							Program On A First Computer, And
							Computer Computer
82676586	Granted	8620908	10/15/2008	12/31/2013	13/123686	US	Retrieving Configuration Records From A
							Configuration Management Database
82676607	Granted	8635498	10/16/2008	1/21/2014	13/123702	US	PERFORMANCE ANALYSIS OF APPI ICATIONS
82245518	Granted	9465718	10/30/2008	10/11/2016	12/261761	US	Filter Generation For Load Testing
							Managed Environments
82245605	Granted	8516451	9/30/2008	8/20/2013	12/241622	SU	System And Method For Creating Virtual
							Callback Objects
82245614	Granted	8763102	9/19/2008	6/24/2014	12/233666	US	Single Sign On Infrastructure
82245686	Granted	8347287	10/3/2008	1/1/2013	12/245404	US	SYSTEM AND METHOD FOR
							LOCALIZING A SERVER APPLICATION USING A CLIENT-
							SIDE TRANSLATOR
82245719	Granted	7930593	10/1/2008	4/19/2011	12/243262	US	Segment Based Technique And System
							And Changes For A Computer Based
							Service
82245740	Granted	9280436	6/17/2009	3/8/2016	12/486326	US	MODELING A COMPUTING ENTITY
82578996	Granted	8533775	6/13/2008	9/10/2013	12/997605	US	Hierarchical Policy Management
82246688	Granted	8572568	10/14/2008	10/29/2013	12/251306	US	Test Tool For Concurrent Web Services And User Interface Testing
82246970	Granted	8103675	10/20/2008	1/24/2012	12/254303	US	Predicting User Item Ratings
82852890	Granted	8763005	7/24/2009	6/24/2014	13/259590	US	Virtual-machine-based Application-
							Of Back-End Applications (as amended)
82247360	Granted	8212817	10/31/2008	7/3/2012	12/290616	US	Spatial Temporal Visual Analysis Of
22777623	Granted	9381167	1/20/2000	2/10/2013	12/220587	IIS	Rusiness Service Discovery
90377608	Grantad	0756007	1/26/2000	6/17/2013	12/25/0507	116	DIST MITTE ATION FOR COMPLITED
8224/696	Granted	8/36094	1/26/2009	6/1//2014	12/359853	OS	SYSTEM CHANGE REQUESTS
82248068	Granted	8180715	12/11/2008	5/15/2012	12/332930	US	SYSTEMS AND METHODS FOR
							COLLABORATIVE FILTERING
							INDUCTIVE TRANSFER

82249358	82249202	82249187	82248755	82248650	82248587	82248521	82248512	82248485	82248482	82248461	82248260	82248233	82248170	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
8291068	8255405	8615739	8347393	8136029	9128984	8938530	8180694	8027897	8180693	8086555	9298789	8904381	8239872	Patent No.
1/14/2009	1/30/2009	4/23/2009	1/9/2009	9/26/2008	2/2/2009	2/4/2009	10/31/2008	10/31/2008	10/31/2008	1/23/2009	1/23/2009	1/23/2009	12/11/2008	Filed Date
10/16/2012	8/28/2012	12/24/2013	1/1/2013	3/13/2012	9/8/2015	1/20/2015	5/15/2012	9/27/2011	5/15/2012	12/27/2011	3/29/2016	12/2/2014	8/7/2012	Grant Date
12/320004	12/363695	12/428733	12/351788	12/239461	12/364107	12/365771	12/262538	12/262533	12/262519	12/359167	12/321612	12/358995	12/314481	App No.
US	US	US	US	US	US	US	US	US	US	US	US	US	US	Country
Automatic Protocol Detection	Term Extraction From Service Description Documents	Resource Monitoring	Method And System For Detecting A State Of A Web Application Using A Signature	METHOD AND SYSTEM FOR CHARACTERISING A WEB SITE BY SAMPLING	Query Plan Analysis Of Alternative Plans Using Robustness Mapping	Method And System For Identifying Dynamic Content In Hypertext Transfer Protocol (HTTP) Responses	A System And Method For Incorporating Qualitative Inputs Into Econometric Models	A System And Method For Optimizing Financial Performance Generated By Marketing Investments Under Budget Constraints	PREDICTION OF FINANCIAL PERFORMANCE FOR A GIVEN PORTFOLIO OF MARKETING INVESTMENTS	Collaborative Filtering Systems And Methods	PLACEMENT OF CELLS IN BINS TO PROVIDE NON OVERLAPPING VISUALIZATION OF DATA POINTS OF A SCATTER PLOT	User Defined Data Partitioning (UDP) - Grouping of Data Based on Computation Model	Method And System For Controlling Distribution Of Work Items To Threads In A Server	App Title

8225/686	82257404	82256597	82255082	82251842	82251665			82251437	82251215	84122962		82852868	82250906			82250771	87750618	82821369	82250417		82249610		82249607	82249391	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted			Granted	Granted	Granted		Granted	Granted			Granted	Grantad	Granted	Granted		Granted		Granted	Granted	Status
8291373	9317640	7426485	8676853	6341282	6670973			9183004	8863152	9397910		8959205	9182964			8290880	0537717	9460225	8117220		8643646		9275151	9098563	Patent No.
8/13/2008	5/16/2008	9/14/2004	2/27/2003	4/19/1999	6/29/1999			6/5/2009	2/19/2010	2/5/2015		7/31/2009	7/31/2009		i i	4/22/2010	3/23/2010	6/1/2009	4/30/2009		3/16/2009		2/6/2009	7/14/2009	Filed Date
10/16/2012	4/19/2016	9/16/2008	3/18/2014	1/22/2002	12/30/2003			11/10/2015	10/14/2014	7/19/2016		2/17/2015	11/10/2015			10/16/2012	1/3/2017	10/4/2016	2/14/2012		2/4/2014		3/1/2016	8/4/2015	Grant Date
12/191160	12/122425	10/940425	10/375331	09/295234	09/342481			13/260291	12/708542	14/614461		13/384671	12/533660			12/427924	12/720251	13/375125	12/433791		12/381716		12/367200	12/502641	App No.
US	US	S	US	US	S			US	US	US		US	US		Č	IIS	I	US	US		US		US	SÜ	Country
GENERATING LOADRUNNER SCRIPTS	SYSTEM AND METHOD FOR THE ELECTRONIC DESIGN OF COLLABORATIVE AND VALIDATED ARCHITECTURES	System, Method, And Computer Program Product For Brokering Data Processing Service Licenses	System And Method For Software Reuse	Information Retrieval System and Method	System And Method For Representing The Information Technology Infrastructure Of An Organization	SERVICE	REPRESENTING USER	SYSTEM AND METHOD FOR	Communication Bridge	MARKING PROGRAM FILES AS BELONGING TO AN APPLICATION	Inventory Applications	Method And System To Recognize And	System And Method For Deploying Software Into A Computing Environment	Describing A Physical System	Parameter That Represents Data	System And Method For Estimating A	Policy provisioning	System And Method For Collecting Application Performance Data	Artificial Record Added To A Database	Data Records Of A Scatter Plot	Constructing A Cell-based Cluster Of	Úser Profile	System And Method For Generating A	Comparing Versions Of A Hierarchical Object	App Title

Method And System For Developing A Classification Tool	US	12/618159	1/15/2013	11/13/2009	8355997	Granted	82259588
METHOD AND SYSTEM FOR PROCESSING WEB ACTIVITY DATA	US	12/618151	2/21/2017	11/13/2009	9576251	Granted	82259585
Method And System For Analyzing Data Stored In A Database	US	12/691101	3/18/2014	1/21/2010	8676859	Granted	82259570
System And Method For Constructing Forecasting Models	US	12/687458	2/12/2013	1/14/2010	8374982	Granted	82259561
IMPROVING DATA CLUSTERING STABILITY	US	12/537614	6/11/2013	8/7/2009	8463784	Granted	82259555
GRAPHICAL USER INTERFACE COMPONENT IDENTIFICATION	US	12/605426	6/24/2014	10/26/2009	8762873	Granted	82259417
GRAPHICAL USER INTERFACE COMPONENT CLASSIFICATION	US	12/605418	8/11/2015	10/26/2009	9104450	Granted	82259414
DOMAIN EVENT CORRELATION	SU	12/641876	6/11/2013	12/18/2009	8464279	Granted	82259282
Functional-form Queries	SU	12/706154	6/7/2016	2/16/2010	9361341	Granted	82259120
Message Clustering Of System Event Logs	US	12/695780	6/26/2012	1/28/2010	8209567	Granted	82259003
Policy Enforcement	US	12/626882	7/30/2013	11/28/2009	8498959	Granted	82258982
System And Method For Integrating A Plurality Of Software Applications	US	12/620520	1/8/2013	11/17/2009	8352875	Granted	82258736
OF MAINTENANCE REQUIREMENTS							
INSTANTIATING AN INFORMATION	US	13/258710	11/26/2013	7/28/2009	8595168	Granted	82852316
Unknowns In Collaborative Filtering							
Methods And Systems For Determining	SN	12/609327	5/22/2012	10/30/2009	8185535	Granted	82258175
Method And System For Characterizing Web Content	US	12/538405	12/15/2015	8/10/2009	9213767	Granted	82258112
Applying Non-linear Transformation Of Feature Values For Training A Classifier	US	12/512243	5/13/2014	7/30/2009	8725660	Granted	82258097
Category Nodes	00	12/0171/2	210/2015	11/0/2007	0,0,0,0,0	Clallice	02230071
Visually Perresenting A Hierarchy Of	116	12/61/103	2/10/2015	11/6/2000	808/803	Grantad	70085CC8
Tracking High-level Network	US	12/512394	3/18/2014	7/30/2009	8676965	Granted	82257989
NETWORK TOPOLOGY INFORMATION							
OBTAINING AND DISPLAYING	US	13/192382	3/1/2016	7/27/2011	9276820	Granted	82809638
App Title	Country	App No.	Grant Date	Filed Date	Patent No.	Status	Patent ID

82262015	82261505	82261385		82261061	82261049	82261025		82261022		83108515	82260611	82260590		82260572	82260173	0000	83108482	83118661	82260143	82260023			82259684		82259657	82259645		82259633	82259627	82259624		82259594	Patent ID
Granted	Granted	Granted		Granted	Granted	Granted		Granted		Granted	Granted	Granted		Granted	Granted		Granted	Granted	Granted	Granted			Granted		Granted	Granted		Granted	Granted	Granted		Granted	Status
8620945	8930525	8832651		8478709	8719007	9262306		9355414		9104812	8549478	9405801		8429602	8219591	() () () () () () () () () ()	8938437	8676844	8392393	8756571			8555253		8549476	8762304		9256692	8683445	8739130		8311957	Patent No.
9/23/2010	4/27/2010	3/30/2010		3/8/2010	9/27/2010	1/27/2010		5/30/2010		4/10/2010	12/2/2009	2/10/2010		3/12/2010	5/3/2010	: : :	4/9/2010	5/26/2010	2/12/2010	5/7/2010			11/2/2009		7/30/2009	1/4/2010		12/3/2009	10/28/2009	10/29/2009		11/13/2009	Filed Date
12/31/2013	1/6/2015	9/9/2014		7/2/2013	5/6/2014	2/16/2016		5/31/2016		8/11/2015	10/1/2013	8/2/2016		4/23/2013	7/10/2012	1	1/20/2015	3/18/2014	3/5/2013	6/17/2014			10/8/2013		10/1/2013	6/24/2014		2/9/2016	3/25/2014	5/27/2014		11/13/2012	Grant Date
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US	US	US		US	US	US		US		US	S	US		US	US		US	US	US	US			US		US	US		US	US	US		US	Country
A Query Rewind Mechanism For Processing A Continuous Stream Of Data	Method And Apparatus For Measuring Business Transaction Performance	Central Service Provisioning System	Likelihood Of Churn	Evaluation Of Client Status For	Determining Offer Terms From Text	SOFTWARE APPLICATION TESTING	improved predictive performance	Collaborative filtering model having	SOFTWARE APPLICATION	INJECTION OF DATA INTO A	Graphical User Interface Input Element Identification	PROCESSING A DATA STREAM	INTERFACE CONTROLS	IDENTIFICATION OF USER	GRAPH QUERY ADAPTATION	Locating Projects	Method And System For Comparing And	GRAPH AUTHORIZATION	GRAPH SEARCHING	NATURAL LANGUAGE TEXT INSTRUCTIONS	Testers	Exploratory Testing By A Plurality Of	System And Method For Monitoring	Operation To Result Of An Operation Of A Different Version Of The Program	Comparison Of Result Of Program	Policy Scheduling	CLASSIFICATION	CLICKSTREAMS AND WEBSITE	User-interface Testing	Quality Assurance Testing	Classification Tool	Method And System For Developing A	App Title

Granted 879310 7723/2010 8/5/2014 12/842434 US Granted 8738656 8/23/2010 5/27/2014 12/842434 US Granted 8802490 9/22/2010 12/31/2013 13/634764 US Granted 8802490 9/22/2010 12/31/2013 13/634764 US Granted 8802490 9/22/2010 12/18/2014 12/794621 US Granted 8903833 6/4/2010 12/17/2014 12/794621 US Granted 9053241 6/11/2010 6/9/2015 12/814345 US Granted 9355355 7/2/2010 5/31/2016 12/830233 US Granted 88433292 6/11/2010 5/14/2013 12/830233 US Granted 8819636 3/24/2011 8/26/2014 13/070499 US Granted 8819636 3/24/2011 8/26/2014 13/070499 US Granted 9015474 7/30/2010 1/2/8015 13/812590 US <	Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	Ann Title
Granted 8738656 8/23/2010 5/27/2014 12/861736 US Granted 8620911 4/29/2010 11/18/2013 13/634764 US Granted 8892490 9/22/2010 11/18/2014 12/847965 US Granted 8903833 6/4/2010 12/2/2014 12/794621 US Granted 9033241 6/11/2010 6/9/2015 12/814345 US Granted 935335 7/2/2010 5/31/2016 12/830233 US Granted 8621486 6/30/2010 12/31/2013 12/814345 US Granted 8621486 6/30/2010 5/14/2013 12/814364 US Granted 8443292 6/11/2010 5/14/2013 12/814364 US Granted 8819636 3/24/2011 8/6/2013 13/020813 US Granted 9208050 9/20/2010 12/8/2015 13/812590 US US US 13/812590 US US Granted 9356	82262045	Granted	8799310	7/23/2010	8/5/2014	12/842434	US	Method And System For Processing A
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Granted 9122784 8/26/2010 9/1/2015 13/812613 US								CHALLENGES INCLUDED IN A
Granted 9122784 8/26/2010 9/1/2015 13/812613 US								HYPERTEXT TRANSFER PROTOCOL
Granted 9122/84 8/26/2010 9/1/2015 13/812613 US		1			5			HEADER
	83185171	Granted	9122784	8/26/2010	9/1/2015	13/812613	US	VIRTUAL ENVIRONMENT

Datant ID	Status	Datant No.	Eilad Data	Cant Data	Ann No	Country	Ann Title
82263065	Granted	9459942	8/27/2010	10/4/2016	12/870428	US	CORRELATION OF METRICS
							MONITORED FROM A VIRTUAL ENVIRONMENT
82263083	Granted	8352777	10/4/2010	1/8/2013	12/897224	US	REPLAYING CAPTURED NETWORK TRAFFIC
83138146	Granted	9087089	6/9/2010	7/21/2015	13/700620	US	DETERMINING SIMILARITY SCORES OF ANOMALIES
82263119	Granted	8819286	10/19/2010	8/26/2014	12/907173	US	METHODS, SYSTEMS, AND APPARATUS FOR PROCESSING
							MESSAGING DATA SETS USING STRUCTURED DATA SETS
83196416	Granted	9350623	9/7/2010	5/24/2016	13/818109	US	SYSTEM AND METHOD FOR
							AUTOMATED DEPLOYMENT OF MULTI-COMPONENT COMPUTER
							ENVIRONMENT
82263146	Granted	8667334	8/27/2010	3/4/2014	12/870418	US	PROBLEM ISOLATION IN A VIRTUAL ENVIRONMENT
82263152	Granted	8924537	9/9/2010	12/30/2014	12/878684	US	BUSINESS PROCESSES TRACKING
82263194	Granted	9514423	9/7/2010	12/6/2016	12/876651	US	TEST PLANNING TOOL FOR SOFTWARE UPDATES
82263227	Granted	9529578	10/20/2010	12/27/2016	12/908685	SU	AUTOMATED SERVICE VERSION UPGRADING
82263335	Granted	8661042	10/18/2010	2/25/2014	12/906551	US	Collaborative Filtering With Hashing
82263338	Granted	8954451	6/30/2010	2/10/2015	12/828240	US	Selecting Microblog Entries Based On Web Pages, Via Path Similarity Within
00163400		050000	10/7/2010	12/27/2016	12/02/02/0	110	Hierarchy Of Categories
82263626	Granted	9460444	9/3/2010	10/4/2016	12/807378	US	VISUAL REPRESENTATION OF A
							CELL-BASED CALENDAR
							TRANSPARENTLY OVERLAID WITH
							MINING DATA RECORDS
82263650	Granted	9087142	10/30/2010	7/21/2015	12/916501	US	DETERMINING A SIMILARITY
							BETWEEN TREE RELATED STRUCTURES
82263959	Granted	8340429	11/24/2010	12/25/2012	12/953460	US	SEARCHING DOCUMENT IMAGES
83141960	Granted	9009729	6/30/2010	4/14/2015	13/703187	US	Tracking A Server Request

02510			82264421 Granted			82264382 Granted		82264367 Granted		82264349 Granted		82264334 Granted		83543188 Granted				82264310 Granted			82264283 Granted				82264238 Granted		82264181 Granted			83209080 Granted		_	Patent ID Status	
0104810			9015728			9542160		9401807	1	8572095		9043440		9208045			8566745	8549482			9400729			8627311	8260826		9450825			8856889		8769505	Patent No.	
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T CKEATHNU A TEST CASE	CREATING A TEST CASE	VALUES OF OBJECT INSTANCES	METHODS, APPARATUS, AND	REPORT GENERATION	SOFTWARE DEVELOPMENT	SYSTEM AND METHOD FOR	FIELDS IN WEB PAGES	PROCESSING NON-EDITABLE	IDENTIFICATION	ADAPTIVE OBJECT	TESTING TOOL	CLIENT EMULATION FOR A	OLD THE PROPERTY OF THE PROPER	TESTING INTEGRATED BUSINESS	MANAGEMENT	PROJECT AND PORTFOLIO	A METHOD AND SYSTEM FOR	DISPLAYING SUBTITLES	MONITORED ENTITIES	DETERMINING TOPOLOGY OF	SYSTEM AND METHOD FOR	SOFTWARE	APPARATUS TO DEPLOY	SYSTEMS, METHODS, AND	Data Processing System And Method	COMPUTING DEVICES	MANAGING SETTINGS OF	VIRTUAL APPLIANCES	GENERATION OF AUTHORIZED	METHODS AND SYSTEMS FOR	SERVER REQUEST PROCESSING	EVENT INFORMATION RELATED TO	App Title	

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82264604	Granted	8620985	10/14/2010	12/31/2013	12/904829	US	METHOD, SYSTEM, AND PRODUCT FOR PERFORMING UNIFORMLY
							FINE-GRAIN DATA PARALLEL COMPUTING
82264847	Granted	8620609	10/7/2010	12/31/2013	12/900307	US	METHOD AND APPARATUS FOR IDENTIFYING ANOMALIES OF A
022/521/		0//3244	2515011	21.501.	10 0000		SIGNAL
82203216	Granted	8667244	3/21/2011	3/4/2014	13/052/55	US	APPARATUS TO PREVENT MEMORY
							IMPRINTING
83553808	Granted	9356849	2/16/2011	5/31/2016	13/985110	US	POPULATION CATEGORY
							HIERARCHIES
82275530	Granted	8631017	12/16/2010	1/14/2014	12/970262	US	Collaborative Filtering With Hashing
82275542	Granted	8374904	11/15/2010	2/12/2013	12/946367	US	Market Forecasting
82275617	Granted	8886795	1/27/2011	11/11/2014	13/015300	US	METHOD AND SYSTEM FOR DETERMINING RESPONSE TIME OF
							A SERVER
82580998	Granted	8881110	3/14/2011	11/4/2014	13/047209	US	ROLE-BASED AUTOMATION SCRIPTS
82275632	Granted	8819631	1/13/2011	8/26/2014	13/006204	SD	SYSTEM AND METHOD FOR SELF
							DEPENDENT WEB AUTOMATION
82275635	Granted	9444701	1/27/2011	9/13/2016	13/015356	US	IDENTIFYING REMOTE MACHINE
2700077)	0.100117	2/14/2011	100000	12/02/215	110	OPERALING SISTEM
02390007	Chamed	0429117	2/14/2011	4/23/2013	13/020313	US	For An Enterprise Class Data Warehouse
82393855	Granted	8892505	12/29/2010	11/18/2014	12/980348	SU	METHOD FOR SCHEDULING A TASK
							IN A DATA WAREHOUSE
82275668	Granted	9009719	12/16/2010	4/14/2015	12/970824	US	COMPUTER WORKLOAD CAPACITY
							TABLES (as amended)
82275710	Granted	8626690	2/23/2011	1/7/2014	13/033443	US	Pattern Recognition
82275863	Granted	8595151	6/8/2011	11/26/2013	13/155570	SU	Selecting Sentiment Attributes for
							Visualization
82581324	Granted	8884966	8/24/2011	11/11/2014	13/216477	US	VISUALIZING A SCATTER PLOT
							USING REAL-TIME BACKWARD REWRITE
82580919	Granted	8893074	3/11/2011	11/18/2014	13/045766	US	SOFTWARE DEVELOPMENT
							REQUIREMENTS RECORDING

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82581280	Granted	9077627	3/28/2011	7/7/2015	13/073715	US	REDUCING IMPACT OF RESOURCE DOWNTIME
82843020	Granted	8739026	10/23/2011	5/27/2014	13/279283	US	MARKUP LANGUAGE SCHEMA FRROR CORRECTION
82581660	Granted	8504585	5/31/2011	8/6/2013	13/149869	US	MATCHING A USER TO A CONVERSATION
82581543	Granted	8713088	3/27/2011	4/29/2014	13/072724	US	IDENTYING USERS OF REMOTE SESSIONS
82581555	Granted	9519476	3/29/2011	12/13/2016	13/074720	US	METHODS, APPARATUS AND ARTICLES OF MANUFACTURE TO AUTOCOMPLETE APPLICATION LIFECYCLE MANAGEMENT ENTITIES
82581579	Granted	8762502	10/25/2011	6/24/2014	13/281038	SU	INSTALLATION OF SERVER- STORED DISK IMAGE ON CLIENT
82581595	Granted	8677324	1/31/2011	3/18/2014	13/017522	US	EVALUATING PERFORMANCE OF AN APPLICATION USING EVENT- DRIVENTRANSACTIONS
82662336	Granted	9123003	6/15/2011	9/1/2015	13/161381	US	TOPOLOGIES CORRESPONDING TO MODELS FOR HIERARCHY OF NODES
83663174	Granted	9213463	4/7/2011	12/15/2015	14/004512	US	GRAPHICAL OBJECT CLASSIFICATION
83617593	Granted	9438476	3/17/2011	9/6/2016	14/002274	US	SELF-ORGANIZATION OF A SATELLITE GRID
82663349	Granted	8862945	10/10/2011	10/14/2014	13/269749	US	SYSTEM AND METHOD FOR MEASURING THE EFFECT OF INTERRUPTIONS ON SOFTWARE APPLICATION USABILITY
82663575	Granted	8935676	8/7/2011	1/13/2015	13/204691	US	AUTOMATED TEST FAILURE TROUBLESHOOTER
82836832	Granted	8671091	8/2/2006	3/11/2014	11/461937	US	QUERY OPTIMIZER
82836843 83019400	Granted Granted	8214352 8312027	6/5/2012	7/3/2012	13/489094	US	MODULAR QUERY OPTIMIZER MODULAR QUERY OPTIMIZER
82837191	Granted	8086598	2/6/2009	12/27/2011	12/367415	US	QUERY OPTIMIZER WITH SCHEMA CONVERSION
82836850	Granted	8700674	7/14/2009	4/15/2014	12/502890	US	DATABASE STORAGE ARCHITECTURE

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82819631	83787666	83721337	83769101	83738422	82653969		83/01566	02002100	83687166	82962552	83799689	82744758		82069934	82069919	82069097		82276979	82061657		82061621	82061615	82836860	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted		Granted	o Ciallico	Granted	Granted	Granted	Granted		Granted	Granted	Granted		Granted	Granted		Granted	Granted	Granted	Status
8719201	9569471	9276952	9407514	9571508	9015337		9223647	2222140	0355148	8984404	9274877	9047606		8171026	7562066	6704732		9197602	6952768		7237107	7340601	8290931	Patent No.
10/7/2011	8/1/2012	5/31/2011	7/11/2011	7/29/2011	7/13/2011		5/3/2011	712712011	4/20/2011	5/21/2012	7/31/2011	9/29/2011		4/16/2009	11/15/2001	1/24/2000		6/9/2003	12/7/2000		12/7/2000	12/7/2000	6/16/2010	Filed Date
5/6/2014	2/14/2017	3/1/2016	8/2/2016	2/14/2017	4/21/2015		12/29/2015	01021/2010	5/31/2016	3/17/2015	3/1/2016	6/2/2015		5/1/2012	7/14/2009	3/9/2004		11/24/2015	10/4/2005		6/26/2007	3/4/2008	10/16/2012	Grant Date
13/269470	14/233178	14/115648	14/131446	14/131805	13/182089		14/114145	17/110000	14/110333	13/476358	14/235393	13/248706		12/424801	10/380264	09/490784		10/457091	09/733540		09/732954	09/732948	12/816770	App No.
US	US	US	US	US	US		S		116	US	US	US		US	US	US		US	US		US	US	US	Country
Making a Recommendation to a User That is Currently Generating Events Based on a Subset of Historical Event	ASSET MODEL IMPORT CONNECTOR	AUTOMATED SECURITY TESTING	VIRTUAL MACHINE PLACEMENT	SYSTEMS AND METHODS FOR DISTRIBUTED RULE-BASED CORRELATION OF EVENTS	SYSTEMS, METHODS, AND APPARATUS FOR STREAM CLIENT EMULATORS	SCRIPT SCRIPT	ADJUSTMENT OF RECORDED	MEMORY PROCESSING OF EVENTS	EXECUTION METHODS FOR IN-	GUIDING AN IMAGE-BASED TASK	INCIDENT HANDLING	RECOMMENDATIONS	Document	Method And Vector Analysis For A	Method Of Vector Analysis For A	Website Usage Monitoring	Information Technology Network	Propagation Of Viruses Through An	Security Protocol	A trust Chain imparting A Kequired Attribute To A Subject	Method And Apparatus For Discovering	Electronic Certificate	DATABASE DESIGNER	App Title

82850163	83784170		83701896	82833735	82775188		82816048	82775180			82844173	90050920	83714223	82749072	02775100	82775160		82775168				82775164		82820538	82775148	82775144				83037480	82749033	Patent ID
Granted	Granted		Granted	Granted	Granted		Granted	Granted			Granted	Granted	Granted	Granted	Clanica	Granted		Granted				Granted		Granted	Granted	Granted				Granted	Granted	Status
9116947	9483422		9418026	8886679	9305058		9141914	9466041			8977904	9501650	9215247	9405664	00/23/00	8072308		9355357				8896605		8650637	9361342	8880493				9229898	8745600	Patent No.
3/15/2012	1/31/2012		2/8/2012	10/11/2011	10/31/2011		10/31/2011	10/15/2011			2/17/2012	9/4/2015	5/31/2011	8/31/2011	10/31/2011	10/31/2011		10/21/2011				10/7/2011		8/24/2011	10/10/2011	9/28/2011				7/30/2012	7/21/2011	Filed Date
8/25/2015	11/1/2016		8/16/2016	11/11/2014	4/5/2016		9/22/2015	10/11/2016			3/10/2015	11/22/2016	12/15/2015	8/2/2016	3/3/2013	3/3/2015		5/31/2016				11/25/2014		2/11/2014	6/7/2016	11/4/2014				1/5/2016	6/3/2014	Grant Date
13/421761	14/232224		14/130871	13/271036	13/285785		13/286150	13/274316			13/398888	14/846462	14/116000	13/222182	13/204000	13/284990		13/278572				13/268050		13/217010	13/269627	13/246947				13/561592	13/187898	App No.
US	US		US	US	US		US	US			US	US	US	US	ç	SII		US				US		US	US	US				US	US	Country
Data-Record Pattern Searching	Access to Memory Region Including Confidential Information	A PROCESSOR	TRANSITION BETWEEN STATES IN	Mining Web Applications	DETERMINING AN EXECUTION ORDERING	RANKING ANOMALIES	SYSTEM AND METHOD FOR	USER SELECTED FLOW GRAPH MODIFICATION	UTILITY	USE IN AUTOMATED TESTING	GENERATING A REPLAYABLE	APPLICATION SECURITY TESTING	APPLICATION SECURITY TESTING	Automating Software Testing	prediction with motif discovery	Combining multivariate time-series	Weighted reak rieservation and Time Distance Biasing	Computing Predicted Data According to	ATTRIBUTES	LOCAL CORRELATION OF	A CHARACTERISTIC BASED ON	PROVIDING AN ELLIPSOID HAVING	ASSESSMENT	NETWORK SECURITY RISK	A Query to Streaming Data	Multi-streams analytics	CLASSIFICATION	IDENTIFIED BASED ON EVENT	CONFIGURATION ITEM METRIC	CAUSATION ISOLATION USING A	INSERTING TEST SCRIPTS	App Title

APPLICATION-ACCESS AUTHENTICATION AGENT	US	13/362290	9/23/2014	1/31/2012	8844015	Granted	82850417
IDENTIFYING A DIMENSION ASSOCIATED WITH AN ABNORMAL CONDITION	US	13/447512	12/30/2014	4/16/2012	8924797	Granted	82964560
CONTEXT-SENSITIVE TAINT ANALYSIS	US	13/248948	5/27/2014	9/29/2011	8739280	Granted	82842034
CONTEXT-SENSITIVE TAINT PROCESSING FOR APPLICATION SECURITY	US	13/248981	6/9/2015	9/29/2011	9053319	Granted	82842024
FIRST AND SECOND VOLTAGE MEASUREMENTS TO ADJUST A VOLTAGE MEASURER	US	13/355315	1/6/2015	1/20/2012	8930154	Granted	82833030
SECURE BOOT INFORMATION WITH VALIDATION CONTROL DATA SPECIFYING A VALIDATION TECHNIQUE	US	14/233334	8/16/2016	3/30/2012	9418027	Granted	83782782
IDENTIFYING TRUNCATED CHARACTER STRINGS	US	13/327393	6/17/2014	12/15/2011	8755612	Granted	82848374
SECURITY PARAMETER ZEROIZATION	US	14/233321	10/11/2016	12/15/2011	9465755	Granted	83782775
STORING EVENT DATA AND A TIME VALUE IN MEMORY WITH AN EVENT LOGGING MODULE	US	13/407845	4/21/2015	2/29/2012	9015516	Granted	82828079
DETERMINING AVAILABILITY OF DATA ELEMENTS IN A STORAGE SYSTEM	US	13/324830	7/15/2014	12/13/2011	8782364	Granted	82850170
AUTOMATED DETECTION OF A SYSTEM ANOMALY	US	14/342664	3/22/2016	9/21/2011	9292408	Granted	83816166
EXECUTING USER-DEFINED FUNCTION ON A PLURALITY OF DATABASE TUPLES	US	14/244649	9/22/2015	4/3/2014	9141654	Granted	83781692
EXECUTING USER-DEFINED FUNCTION ON A PLURALITY OF DATABASE TUPLES	US	13/459760	8/12/2014	4/30/2012	8805811	Granted	82850160
App Title	Country	App No.	Grant Date	Filed Date	Patent No.	Status	Patent ID

82900197	82929174	82963823	82965464	82914270	83817971	82900162	84079488	83998478	82964819	82900193	83854671	82848441	82850202	82850178	Patent ID
Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Granted	Status
8943048	9087143	8874736	9002847	9037551	9535961	9047495	9531755	9356949	8850407	8688728	9288175	8683323	8638981	9064245	Patent No.
7/31/2012	3/30/2012	4/23/2012	2/29/2012	3/7/2012	11/18/2011	4/30/2012	5/30/2012	2/29/2012	5/23/2012	2/27/2012	9/30/2011	1/9/2012	2/1/2012	2/22/2012	Filed Date
1/27/2015	7/21/2015	10/28/2014	3/7/2015	5/19/2015	1/3/2017	6/2/2015	12/27/2016	5/31/2016	9/30/2014	4/1/2014	3/15/2016	3/25/2014	1/28/2014	6/23/2015	Grant Date
13/562752	13/435597	13/453034	13/408203	13/413818	14/358500	13/460203	14/398003	14/381410	13/478875	13/406090	14/345713	13/346390	13/363597	13/402229	App No.
US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	Country
VISUALIZING TIME-DENSE EPISODES	OVERLAYING TRANSPARENCY IMAGES INCLUDING PIXELS CORRESPONDING TO DIFFERENT HEIRARCHICAL LEVELS OVER A GEOGRAPHIC MAP	EVENT EXTRACTOR	COMMUNICATION PATTERN	REDUNDANT ATTRIBUTE VALUES	QUERY SUMMARY GENERATION USING ROW-COLUMN DATA STORAGE	IDENTIFYING IMPACT OF A TRAFFIC INCIDENT ON A ROAD NETWORK	FIELD SELECTION FOR PATTERN DISCOVERY	NETWORK SERVICE INTERFACE ANALYSIS	TEST SCRIPT GENERATION	SYSTEM AND METHOD OF SEARCHING A CORPUS	ACROSS APPLICATIONS	BETWEEN XML SCHEMAS	PLACING TEMPORALLY ALIGNED AND VARIABLY SIZED PIXELSIN DISCRETE RINGS IN A GRAPHICAL VISUALIZATION	GENERATING A CALENDAR GRAPHICAL VISUALIZATION INCLUDING PIXELS REPRESENTING DATA RECORDS CONTAINING USER FEEDBACK	App Title

82976953	82963382	83012895	82963101	82963037	82962722	82929190	82929162	82900177	82962934				82899677		82900690		82940503	000		83139239		83138908		83037555	Patent ID
53 Granted	32 Granted)5 Granted)1 Granted	37 Granted	22 Granted	90 Granted	52 Granted	77 Granted	34 Granted				77 Granted		0 Granted)3 Granted			39 Granted)8 Granted		55 Granted	D Status
9026853	8706203	8793251	9262472	8595799	8745010	9081854	9037518	8966635	8856168				9087052		9304984		9143362	1.0000		8914416		9355166		8930964	Patent No.
7/31/2012	4/30/2012	7/31/2012	4/26/2012	4/18/2012	4/12/2012	7/6/2012	7/30/2012	2/24/2012	4/30/2012				4/30/2012	!	3/26/2012		4/2//2012	1515010		1/31/2013		1/31/2013		7/31/2012	Filed Date
5/5/2015	4/22/2014	7/29/2014	2/16/2016	11/26/2013	6/3/2014	7/14/2015	4/19/2015	2/24/2015	10/7/2014				7/21/2015		4/5/2016		9/22/2015			12/16/2014		5/31/2016		1/6/2015	Grant Date
13/563635	13/459952	13/562728	13/456384	13/449908	13/445725	13/543783	13/562058	13/404572	13/459307				13/459256		13/429741		13/458885			13/755556		13/756221		13/562942	App No.
US	US	S	US	US	US	US	US	US	US				US		US		CS			US		US		US	Country
ENHANCING TEST SCRIPTS	CLASSIFICATION OF A SIGNAL IN A TIME DOMAIN	MINIMIZATION FOR AUTOMATON IMPLEMENTATIONS OF CAPTURING GROUP REGULAR EXPRESSIONS	Concatenation for Relations	ACCESS AUTHORIZATION	DATA STORAGE AND ARCHIVING SPANNING MULTIPLE DATA STORAGE SYSTEMS	MULTILABEL CLASSIFICATION BY A HIERARCHY	Classifying Unclassified Samples	SOFTWARE MODULE OBJECT ANALYSIS	RECOMMENDATIONS	OF PROCESSING	PROVIDED PRIOR TO COMPLETION	PROCESSING SUCH THAT	BATCH DBMS STATEMENT	VISUALIZATION	INTENTION STATEMENT	DESTINATION MACHINE CLUSTER	REOM A SOURCE TO A	NETWORKS	ENTERPRISE COMMUNICATION	SEMANTICS GRAPHS FOR	SEMANTICS GRAPH	CLUSTERING SIGNIFIERS IN A	IN COMPUTING ENVIRONMENTS	AUTOMATIC EVENT CORRELATION	App Title

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82963508	Granted	9230262	4/26/2012	1/5/2016	13/456297	US	SMOOTHED VISUALIZATION HAVING RINGS CONTAINING
							PIXELS REPRESENTING UNEVENLY
82963520	Granted	8930773	4/16/2012	1/6/2015	13/447711	SII	DETERMINING ROOT CAUSE
82961892	Granted	8806464	4/26/2012	8/12/2014	13/456385	US	PROCESS FLOW OPTIMIZED
87077070	Granted	8717831	4/30/2012	5/6/2014	13/460514	N N	MEMORY CIRCUIT
83014334	Granted	9158651	7/27/2012	10/13/2015	13/560401	US	MONITORING THREAD
							STARVATION USING STACK TRACE
							SAMPLING AND BASED ON A
83014417	Granted	8024316	7/31/2012	12/30/2014	13/563600	IIS	MIII TICI ASS CI ASSIFICATION OF
6	(() ()		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		₹	POINTS
83013819	Granted	8971665	7/31/2012	2/3/2015	13/562598	US	Hierarchical cluster determination based
01100)		012	11/10/2015	14/410010	10	on subgraph density
27207170	Clafficd	7105125	0/13/2012	11/10/2015	17/71/01/	Č	CONTINUOUS DEPLOYMENT
							PIPELINE
84139989	Granted	9311080	7/31/2012	4/12/2016	14/418815	US	INSTRUMENTED FILE
84125971	Granted	9195562	7/27/2012	11/24/2015	14/416110	US	RECORDING EXTERNAL
							PROCESSES
83019145	Granted	9262492	11/30/2012	2/16/2016	13/690086	US	DIVIDING AND COMBINING OPERATIONS
83013810	Granted	8972242	7/31/2012	3/3/2015	13/563647	US	VISUAL ANALYSIS OF PHRASE
							EXTRACTION FROM A CONTENT
83012824	Granted	9483576	8/29/2012	11/1/2016	13/597638	SII	OFFIJNE APPLICATION SUPPORT
83014347	Granted	9141341	7/16/2012	9/22/2015	13/550310	US	INVERSION OF CONTROL FOR
							EXECUTABLE EXTENSIONS IN A
							RUN-TIME ENVIRONMENT
83014264	Granted	8677121	7/31/2012	2/18/2014	13/563175	US	MONITORING ENCRYPTED SESSION
0000757	2	0000071	1010	1000015	13/5/2524	110	A 1-2- Line Line Line Line Line Line Line Line
83037576	Granted	9020271	7/31/2012	4/28/2015	13/562524	US	Adaptive hierarchical reclustering
							algorithm that yields higher quality
							corpora

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
84162687	Granted	9558355	8/29/2012	1/31/2017	14/424401	S	SECURITY SCAN BASED ON DYNAMIC TAINT
83012811	Granted	9178771	8/23/2012	11/3/2015	13/592858	US	DETERMINING THE TYPE OF A
							NETWORK TIER
83106321	Granted	9165258	12/10/2012	10/20/2015	13/709773	US	GENERATING TRAINING
83106326	Granted	9002102	12/21/2012	4/7/2015	13/775487	SII	Generating Training Documents
83097872	Granted	9317518	10/25/2012	4/19/2016	13/660643	US	DATA SYNCHRONIZATION
83019087	Granted	D732566	6/1/2012	6/23/2015	29/423602	US	COMPUTING DEVICE INCLUDING A
							COMPUTERGENERATEDFEATURE SET FOR PROVIDING
							COLLABORATIVE RESOURCES.
90016894	Granted	D775176	8/3/2015	12/27/2016	29/535083	SU	A DISPLAY SCREEN FOR
							DISPLAYING COLLABORATIVE RESOURCES ON A COMPUTING
							DEVICE
83019099	Granted	D720361	6/1/2012	12/30/2014	29/423604	US	COMPUTING DEVICE DISPLAYING
							PROVIDING COLLABORATIVE
							RESOURCES
84056073	Granted	D740846	11/18/2014	10/13/2015	29/509514	US	COMPUTING DEVICE DISPLAYING
							GRAPHICAL USER INTERFACE
							RESOURCES (as amended)
83019112	Granted	D744537	6/1/2012	12/1/2015	29/423605	US	A COMPUTING DEVICE
							DISPLAYING A COMPUTER-
							A COLLECTION OF BESOLIDERS (A2
							A COLLECTION OF NESCONCES (AS Amended)
83097889	Granted	9477780	10/25/2012	10/25/2016	13/660422	US	TARGET TREE GENERATION
83108381	Granted	9361401	12/14/2012	6/7/2016	13/714702	US	RELEVANCE MAP LINKING
83098005	Granted	9071510	10/25/2012	6/30/2015	13/660878	SD	DETERMINING ROOT CAUSES OF
							NETWORK ISSUES
83098555	Granted	9235556	12/26/2012	1/12/2016	13/726690	US	AN ADAPTIVE BASELINE BASED ON
0200000		0411000	0.000000	00000	12/2005	110	METRIC VALUES
83098499	Granted	9411803	9/28/2012	8/9/2016	13/629883	CS	TANGITAGE OFFRIES
83098597	Granted	9495281	11/21/2012	11/15/2016	13/683064	US	USER INTERFACE COVERAGE

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
84139618	Granted	9477582	10/31/2012	10/25/2016	14/415632	US	EXECUTABLE SOFTWARE SPECIFICATION GENERATION
83098610	Granted	9400682	12/6/2012	7/26/2016	13/706847	US	RANKING AND SCHEDULING OF
)	2	1	355		1	MONITORING TASKS
83108361	Granted	9280612	12/14/2012	3/8/2016	13/714871	US	VISUALIZING A RELATIONSHIP OF ATTRIBUTES USING A RELEVANCE DETERMINATION PROCESS TO
							SELECT FROM CANDIDATE ATTRIBUTE VALUES
83108369	Granted	9152679	1/31/2013	10/6/2015	13/755814	US	DISPLAYING RECOMMENDED ENTITIES IN A RELEVANCE MAD
83101843	Granted	9124621	9/27/2012	9/1/2015	13/629222	US	SECURITY ALERT PRIORITIZATION
83100756	Granted	9002818	1/31/2013	4/7/2015	13/755492	US	CALCULATING A CONTENT SUBSET
83108887	Granted	8983933	12/21/2012	3/17/2015	13/723895	US	COMPLITING SYSTEMS
83106310	Granted	9465826	11/27/2012	10/11/2016	13/686490	US	Estimating Unique Entry Counts Using a
83209805	Granted	9280536	3/28/2013	3/8/2016	13/852882	SU	SYNONYM DETERMINATION
		1000			0 0 0	¢	AMONG N-GRAMS
83108891	Granted	9304829	1/30/2013	4/5/2016	13/753686	US	DETERMINING AND RANKING DISTRIBUTIONS OF OPERATIONS
							ACROSS EXECUTION ENVIRONMENTS
83108377	Granted	9355170	11/27/2012	5/31/2016	13/686297	US	CAUSAL TOPIC MINER
83186617	Granted	D735732	3/12/2013	8/4/2015	29/448460	US	Display Screen with Graphical User Interface (as amended)
83096204	Granted	9106681	12/17/2012	8/11/2015	13/716781	US	Reputation of Network Address
84182220	Granted	9438617	9/28/2012	9/6/2016	14/431996	US	APPLICATION SECURITY TESTING
83099990	Granted	9118704	10/24/2012	8/25/2015	13/659677	US	HOMOGLYPH MONITORING
84210513	Granted	9450586	10/2/2012	9/20/2016	14/432910	US	SECURITY SHIELD ASSEMBLY
83100806	Granted	8918893	10/29/2012	12/23/2014	13/662678	US	Managing A Fault Condition By A Security Module
83148959	Granted	8893283	1/31/2013	11/18/2014	13/755876	US	Performing an Automated Compliance Audit by Vulnerabilities
83139256	Granted	9170993	1/29/2013	10/27/2015	13/753022	US	IDENTIFYING TASKS AND
							COMMITMENTS USING NATURAL LANGUAGE PROCESSING AND MACHINE LEARNING (as amended)
							MACHINE LEARNING (as amended)

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83097936	Granted	D704214	10/31/2012	5/6/2014	29/436078	US	Patient oriented hospital care approach
83209881	Granted	9053434	3/15/2013	6/9/2015	13/842461	SII	and system Determining an Ohverse Weight
83139261	Granted	9164857	1/30/2013	10/20/2015	13/754241	US	SCALABLE STRUCTURED DATA
83209816	Granted	9256970	3/15/2013	2/9/2016	13/841514	US	Visual Analytics of Multivariate Session Data Using Concentric Rings with
83138345	Granted	9143517	1/31/2013	9/22/2015	13/754951	US	Overlapping Periods THREAT EXCHANGE INFORMATION
83138411	Granted	9456001	1/31/2013	9/27/2016	13/755007	SII	PROTECTION ATTACK NOTIFICATION
83138425	Granted	9275348	1/31/2013	3/1/2016	13/754974	US	IDENTIFYING PARTICIPANTS FOR
							COLLABORATION IN A THREAT EXCHANGE COMMUNITY
83138802	Granted	9003537	1/31/2013	4/7/2015	13/755831	SU	CVSS Information Update by Analyzing Vulnerability Information
83271740	Granted	9342301	6/20/2013	5/17/2016	13/922554	SU	CONVERTING AND INPUT SCRIPT TO A NATURAL LANGUAGE
							DESCRIPTION (as amended)
83204419	Granted	9092696	3/26/2013	7/28/2015	13/850413	US	Image Sign Classifier
83209641	Granted	9195535	4/30/2013	11/24/2015	13/873680	US	HOTSPOT IDENTIFICATION
83205172	Granted	9098634	5/13/2013	8/4/2015	13/892819	US	CREATING TEST TEMPLATES BASED ON STEPS IN EXISTING
83199532	Granted	9054954	3/13/2013	6/9/2015	13/800436	US	DETERMINING FALSE ALARMS IN
83209716	Granted	9224223	4/26/2013	12/29/2015	13/871924	US	AN IT APPLICATION (as amended) Visual Analytics Using Multivariate
							Concentric Rings with a Visual Start Time Mechanism
83204680	Granted	9230015	7/2/2013	1/5/2016	13/933657	US	DERIVING AN INTERESTINGNESS
							MEASURE FOR A CLUSTER
83199541	Granted	9568502	6/6/2013	2/14/2017	13/912090	US	VISUAL ANALYTICS OF SPATIAL TIME SERIES DATA USING A PIXEL
							CALENDAR TREE
84299280	Granted	9575823	4/29/2013	2/21/2017	14/759711	US	RECORDING UNSTRUCTURED
83272380	Granted	9183403	6/28/2013	11/10/2015	13/931042	US	KEY RETRIEVAL

90206885	84269661	84312725	84312797	82224533		82224434	82208906	82948148		82962710	823/93/8		90032827		82082453		82947629		83776696	0 100	84103109	90122236			83680346	1	83818059	Patent ID
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MAINTENANCE WINDOW SCHEDULING	ASSOCIATING ERROR EVENTS WITH INPUTS TO APPLICATIONS	VARIANCE BASED TIME SERIES DATASET ALIGNMENT	DATASET CHART SCALING	Values Associated With Plural Cases	Received Expression	Producing A Feature In Response To A	Providing Training Information For	SHARING VIDEO	METHOD AGNOSTIC VERSIONING OF AN ARCHIVED DOCUMENT	DOCUMENT-TYPE AND CAPTURE	Tracking Changing State Data to Assist in Computer Network Security	COLUMN-BASED CHUNKS	GENERATING ROW-BASED AND	The Content Of Targeted Advertising	A Method And System For Customizing	ITEM INTO MULTIPLE CATEGORIES	METHOD AND SYSTEM FOR	OF ENTITY DATA	DISPLAYING VISUAL ANALYTICS	PROCESSES ACROSS APPLICATIONS	EXECUTION OF END-TO-END	EXECUTION OF END-TO-END-	AUTHORIZATION CHECKS	APPLICATION CODE BASED ON	DETERMINE ANOMALIES IN WEB	TIME SERIES DATA USING HELICES	PIXEL-BASED VISUALIZATIONS OF	App Title

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Website Content	Predicting Email Responses Mathod And System For Providing	Evaluation Evaluation	Network Activity Data	Method And System For Processing	Events	Method And System For Calendaring	Reduce Double Marginalization	Modeling Wholesale Price Schedules To	Software Into A Computing Environment	Personal Project Management	And Associated Methods	Service Level Agreement Negotiation	For Web Services	Transforming A Description Of Services	DISCOVERING PROVIDERS	A SYSTEM AND METHOD FOR	CONTITUTE DISCUSSION	OHALITY PREDICTION	System And Method For Providing Transaction Classification	MAPPING	SERVICE PROVIDER DEPENDENCY	USING ROBUSTNESS MAPS	Using Robustness Mapping	Query Plan Analysis Of Alternative Plans	Components	Method With Facilitated Reuse Of Test	Software Test Management System And	Virtual Redeemable Offers	Using Real Time Replication	Method And System Of Testing Software	Messages	System And Method For Generating	App Title

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82258106	Published	A GREEN LANG.	7/31/2009	Of any Park	12/533717	US	METHOD AND SYSTEM FOR
82258130	Published		7/31/2009		12/533864	SII	CHARACTERIZING WEB CONTENT
						ļ	Minimization To Determine Securities In
							A Portfolio
82853812	Published		9/14/2010		13/260293	US	Automatic Selection Of Agent-based Or
82259591	Published		11/13/2009		12/618170	SII	Method And System For Segmenting
	SOLICIA		1000			(Query Urls
82852880	Published		10/26/2009		13/384739	US	Automatic Redundant Logical
							Connections
82260062	Published		10/29/2010		12/916043	US	ASSESSING HEALTH OF PROJECTS
82260107	Published		3/18/2010		12/726596	US	GRAPH TRANSFORMATION
82260146	Published		5/26/2010		12/787593	US	VIRTUAL TOPOLOGICAL QUERIES
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84290656	Published		7/1/2015		14/789455	US	INJECTION OF DATA INTO A SOFTWARE APPLICATION
82260704	Published		3/30/2010		12/798257	US	Generalized Scatter Plots
82261283	Published		4/27/2010		12/768178	US	Template-based Technique For Making A
						1	Best Practices Framework Actionable
82262423	Published		6/14/2010		12/815207	US	CREATING A CAPACITY PLANNING SCENARIO
82262471	Published		8/31/2010		12/872245	US	MAINTAINING A DATABASE OF
							PATCH DATA
83136083	Published		6/1/2010		13/698431	US	Methods, Apparatus, And Articles Of Manufacture To Denloy Software
							Applications
82262966	Published		6/22/2010		12/821118	US	MANAGING ENCRYPTION KEYS
83217752	Published		10/27/2010		13/879443	US	SYSTEMS AND METHODS FOR SCHEDULING CHANGES
82263149	Published		7/29/2010		12/846696	US	SELECTING A PROJECT PORTFOLIO
82263383	Published		6/15/2010		12/815732	US	System And Method For Designing And
	:						Displaying Advertisements
82263396	Published		10/18/2010		12/906/39	US	ACQUIRING CUSTOMER INSIGHT IN A RETAIL ENVIRONMENT
82263602	Published		9/23/2010		12/888800	US	IDENTIFYING CORRELATED
							OPERATION MANAGEMENT EVENTS

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82263731	Published		3/7/2011		13/042166	US	INFORMATION TECHNOLOGY INFRASTRUCTURE RISK MODELING
83163022	Published		7/22/2010		13/809683	US	CONTEXT-BASED ITEM
82264298	Published		10/28/2010		12/914418	US	TIME TRACKING SYSTEMS AND
							METHODS
83210560	Published		10/29/2010		13/821208	US	Software Application Recognition
82264316	Published		1/11/2011		13/004743	US	METHODS AND APPARATUS TO GENERATE A WIZARD
							APPLICATION
83184710	Published		8/6/2010		13/812949	US	SYSTEM AND METHODS FOR
							CONSUMPTION
83185162	Published		8/17/2010		13/812600	US	PROVIDING AUTOMATION CODE
							CONTAINING A REPRESENTATION OF ALTERNATIVE
							INTERPRETATIONS OF A USER
82264352	Published		10/22/2010		12/910025	SU	RELATION-BASED IDENTIFICATION
							OF AUTOMATION OBJECTS
82264376	Published		9/6/2011		13/226197	US	Discovering Tiers Within An Application
82264424	Published		12/13/2010		12/966643	US	COMPUTER INVENTORY DATA
82264619	Published		10/27/2010		12/925684	SII	VISUAL ANALYSIS OF A TIME
							SEQUENCE OF EVENTS USING A
							TIME DENSITY TRACK
82580985	Published		2/15/2011		13/027288	US	DETECTING NETWORK-
							APPLICATION SERVICE FAILURES
83498533	Published		2/18/2011		13/982706	US	GENERATING TEST DATA
83225980	Published		11/27/2010		13/883488	US	Causal Dynamic Model For Revenue
82275626	Published		1/25/2011		13/013473	US	DATA ISOLATION WHILE SHARING
							INFORMATION BY A PLURALITY OF
							USERS WHEN EVALUATING
							PERFORMANCE OF A SERVER
83214673	Published		11/12/2010		13/824517	US	DETERMINE AUTHORIZATION OF A
							SOFTWARE PRODUCT BASED ON A
							FIRST AND SECOND
							AUTHORIZATION ITEM

84031420	90141420	82859659	82748985	84088609	82663247	82576902	83784095	83719064	82837107	82865444	82836864	84113159	82836837	83598159	83681558	90091124	83681495	82662329	82663153	Patent ID
Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Published	Status
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11/3/2014	1/21/2016	10/31/2011	10/27/2011	4/23/2012	8/5/2011	7/12/2011	8/25/2011	5/20/2011	1/17/2012	11/8/2011	6/7/2011	1/23/2015	8/2/2006	3/15/2011	3/30/2011	10/23/2015	5/6/2011	5/20/2011	10/11/2011	Filed Date
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US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	US	Country
USER ACTION DURATION	AUTOMATED SECURITY TESTING	CONSTRUCTING AN ANALYSIS OF A DOCUMENT	System for Providing Goods or Services Utilizing Petri Net Synthesis Algorithms (amended)	Statistical Analysis using a graphics processing unit	SYSTEM AND METHOD FOR MANAGING ENVIRONMENT CONFIGURATION USING SNAPSHOTS	Visually Representing How a Sentiment Score is Computed	RECOMMENDING A NEXT STEP TO TAKE IN A CASE	SYSTEM AND METHOD FOR CONFIGURATION POLICY EXTRACTION	DELIVERING AN ITEM OF INTEREST	QUERY ANALYSIS IN A DATABASE	SIDEWAYS INFORMATION PASSING	Worker Task Assignment Based on Correlation and Capacity Information	AUTOMATIC VERTICAL-DATABASE DESIGN	ESTIMATING COSTS OF BEHAVIORAL TARGETING	TIME FRAME BASED DATA ANALYSIS	GRAPHICAL OBJECT APPEARANCE- INVARIANT SIGNATURE	IMAGE-BASED AUTOMATION SYSTEMS AND METHODS	DETERMINING WORKLOAD COST	PROXY IDENTIFYING USERS THROUGH A	App Title

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83816837	Published	Patent No.	11/2/2011	Grant Date	App No. 14/342734	US	METHOD OF SEARCHING AND
							GENERATING A RELEVANT SEARCH STRING
83874136	Published		10/7/2011		14/347958	US	Generating A Non-Deterministic Model
						:	of a Process for a Goal
83783398	Published		7/27/2011		14/235134	US	MAINTAINING AND UTILIZING A
7500303	Duklichad		1/25/2012		12/257050	116	DETERMINING WHETHER TO
02092231	L UDIISHEG		1/23/2012		13/33/030		LAUNCH A PARTICULAR OFFERING
83933622	Published		10/31/2011		14/354802	US	EMAIL TAGS
82775156	Published		10/15/2011		13/274315	US	OPTIMIZER
82775152	Published		10/15/2011		13/274314	US	MODIFIED FLOW GRAPH DEPICTION
83789823	Published		8/24/2012		14/237192	US	MULTIDIMENSION CLUSTERS FOR
02027125	D. Liichad		13/30/3011		14/252121	110	DATA PARTITIONING
84123151	Published		1/6/2015		14/590570	US	DATA TRANSFER REQUESTS WITH
							DATA TRANSFER POLICIES
83696820	Published		6/30/2011		14/125785	US	SYSTEMS AND METHODS FOR
							AGGREGATED QUERY RESULTS
82850138	Published		5/14/2012		13/470762	US	SWITCHING ALGORITHMS DURING
							A RUN TIME COMPUTATION
82850142	Published		5/11/2012		13/469641	US	JOIN ORDER RESTRICTIONS
82850153	Published		4/30/2012		13/459722	US	DATABASE RECOVERY BY CONTAINER
83933546	Published		10/27/2011		14/354115	US	Aligning Annotation of Fields of
							Documents
84030845	Published		11/26/2014		14/554418	US	RESOLUTION OF DATA INCONSISTENCIES
90283148	Published		10/11/2016		15/303254	US	EVALUATING USER EXPERIENCE
82850166	Published		2/9/2012		13/369990	US	ASSESSING COMPRESSED-
							DATABASE RAW SIZE
90156987	Published		2/9/2016		15/019785	US	AUTOMATED DETECTION OF A SYSTEM ANOMALY
83999014	Published		1/20/2012		14/372976	US	MANAGING DATA ENTITIES USING
							COLLABORATIVE FILTERING

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Published		1/31/2012		14/374841	US	CONTINUOUS DEPLOYMENT OF
j - - -					110	CODE CHANGES
Published		10/17/2011		13/2/4918	SO	DISCOVERING REPRESENTATIVE COMPOSITE CI PATTERNS IN AN IT
						SYSTEM
Published		1/10/2012		13/347098	US	SECURITY MODEL ANALYSIS
Published		1/31/2013		13/756268	$S\Omega$	DETERMINING A COUNTEROFFER
Published		3/8/2012		13/415814	SU	EVALUATING EMAIL
						INFORMATION AND AGGREGATING EVALUATION RESULTS
Published		8/26/2011		13/219485	SU	PROCESS REFINEMENT
Published		3/8/2012		13/415803	SU	INTERPRETING REQUESTS AND
						PROVIDING RESPONSES IN THE
Published		12/20/2011		13/331815	SU	APPLICATION SECURITY TESTING
Published		8/31/2011		14/236122	SD	PROVIDING APPLICATION
Published		4/30/2012		14/373780	US	AUTOMATED EVENT
						MANAGEMENT
Published		1/23/2012		14/373595	US	IDENTIFYING A POLLING
-		15015		1100000	100	COMMUNICATION PATTERN
Published		1/26/2012		14/3/3360	CO	COMMINICATION PATTERN
Published		5/30/2012		13/483755	SU	LOAD TEST CAPACITY PLANNING
Published		10/20/2011		14/239885	SU	SYSTEMS AND METHODS FOR
						EVALUATION OF EVENTS BASED
						ACCORDING TO TEMPORAL
						POSITION IN A SEQUENCE OF
						EVENTS
Published		9/5/2014		14/478420	US	FRAMEWORKS TO DEMONSTRATE
Published		8/30/2012		14/421759	SH	ENCRYPTED DATA STORE FOR
т иононои		9.001		I I I I I I I I I I I I I I I I I I I	C	RECORDS
Published		9/12/2012		14/421734	US	VALIDATING A METADATA TREE
						USING A METADATA INTEGRITY VALIDATOR
	Published	StatusPatent No.Published	Patent No. hed	Patent No. hed	Patent No. Filed Date Grant Date hed 1/31/2012 1/31/2012 hed 10/17/2011 1/10/2012 hed 1/31/2013 1/31/2013 hed 8/26/2011 1/23/2012 hed 1/270/2011 1/23/2012 hed 1/23/2012 1/23/2012 hed 1/26/2012 1/26/2012 hed 5/30/2012 10/20/2011 hed 9/5/2014 1/26/2012 hed 9/5/2014 9/5/2014 hed 9/5/2012 1/26/2012	Patent No. Filed Date I/31/2012 Grant Date I4/374841 App No. I4/374841 hed 1/31/2012 14/374841 14/374841 hed 1/10/2012 13/247098 hed 1/31/2013 13/347098 hed 1/31/2013 13/415814 hed 8/26/2011 13/415814 hed 1/25/2012 13/415803 hed 1/25/2012 13/415803 hed 1/23/2012 14/373780 hed 1/23/2012 14/373780 hed 1/26/2012 14/373560 hed 1/26/2012 14/373560 hed 9/5/2014 14/478420 hed 9/5/2014 14/421759 hed 9/5/2012 14/421734

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Patent ID 84014641	Status Published	Patent No.	Filed Date 8/5/2014	Grant Date	App No. 14/452135	Country US	App Title SOCIAL ACTION AND SOCIAL TIE
							PREDICTION
84164202	Published		9/12/2012		14/421777	US	METADATA TREE WITH KEY
							ROTATION INFORMATION
84046860	Published		3/30/2012		14/388177	US	ASSOCIATING AN APPLICATION WITH AN APPLICATION FILE
84046830	Published		3/30/2012		14/387627	US	SOFTWARE DEVELOPMENT
							ACTIVITY
84208501	Published		9/30/2012		14/432290	US	ELECTRONIC HEALTH RECORD
							CUSTOMIZABLECOMPLIANCE
							POLICIES
83991701	Published		1/26/2012		14/373843	US	IMAGE-BASED APPLICATION AUTOMATION
82929186	Published		4/24/2012		13/454693	US	Query Engine Communication
82929199	Published		3/12/2012		13/418055	US	Page-Feed A New Paradigm of Query
							Engines Collaboration
82963596	Published		4/18/2012		13/449851	US	GENERATING LOAD SCENARIOS BASED ON REAL USER BEHAVIOR
83991607	Published		1/26/2012		14/373815	US	IMAGE-BASED APPLICATION
							AUTOMATION
83138881	Published		1/31/2013		13/755836	US	IDENTIFYING SUBSETS OF
	:					1	SIGNIFIERS TO ANALTZE
84086487	Published		11/14/2014		14/542098	US	SEMANTICS GRAPHS FOR ENTERPRISE COMMUNICATION
							NETWORKS
83037403	Published		7/31/2012		13/562800	US	POPULATING PRODUCT
							RECOMMENDATION LIST
84071857	Published		4/20/2012		14/391686	US	TESTING SYSTEM FOR AN INTEGRATED SOFTWARE SYSTEM
84041414	Published		3/26/2012		14/386633	US	TOPOLOGICAL QUERY IN MULTI-
							TENANCY ENVIRONMENT
83991760	Published		1/31/2012		14/374249	US	IDENTIFICATION OF A FAILED
							CODE CHANGE
82929153	Published		3/16/2012		13/422139	US	An algorithms for extracting acronym-
							definition pairs with high recall rate using
83995578	Published		2/7/2012		14/374785	US	TESTING A MOBILE APPLICATION
03773310	I UDIISHEG		21112012		14/3/4/03	US	TESTING A MOBILE ALL FICATION

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84072998	Published Published	Patent No.	7/31/2012	Grant Date	App No. 14/396131	US	App Title Supporting Multi-Tenancy in a Federated
							Data Management System
82929147	Published		3/14/2012		13/420149	US	Identification and Extraction of New
82976942	Published		6/28/2012		13/535913	US	Metadata-based Test Data Generation
84081222	Published		7/31/2012		14/397640	US	Concept Categorization
82964570	Published		4/16/2012		13/448173	US	LIVE TOPOLOGICAL QUERY
82962805	Published		4/25/2012		13/455867	US	MICROPROCESSOR TESTING CIRCUIT
84139170	Published		7/31/2012		14/418894	US	CONJOINT VULNERABILITY IDENTIFIERS
82963111	Published		4/26/2012		13/457444	US	IN-DATABASE PARALLEL ANALYTICS
82963813	Published		4/26/2012		13/457195	US	Testing Applications
82964550	Published		4/30/2012		13/459356	US	DYNAMIC DATA FOR PRODUCING A SCRIPT
82963084	Published		4/26/2012		13/456800	US	STATEFUL SIMULATION
82963387	Published		4/19/2012		13/450598	US	PROVIDING A CORRELATION RING FOR INDICATING CORRELATION BETWEEN ATTRIBUTES
84078900	Published		6/8/2012		14/397636	US	PATIENT INFORMATION INTERFACE
82961693	Published		7/31/2012		13/563575	US	OPTIMIZED SURGERY SCHEDULING
84117623	Published		6/29/2012		14/406609	US	PERSONALIZING SHARED COLLABORATION CONTENT
84164269	Published		9/19/2012		14/421784	US	METADATA TREE OF A PATIENT WITH LOCKBOXES
84079598	Published		5/15/2012		14/398229	US	QUERY PROCESSING
84079684	Published		7/30/2012		14/397717	US	GENERATING AND PARTITIONING POLYNOMIALS
83016763	Published		9/28/2012		13/630253	US	Road Maps from Clusters of Line Segments of Multiple Sources
83037627	Published		7/26/2012		13/559255	US	LOCALIZING COMPUTER PROGRAM CODE
84079513	Published		7/25/2012		14/398037	US	DETERMINING APPLICATION VULNERABILITIES
84038227	Published		5/30/2012		14/398017	US	PARAMETER ADJUSTMENT FOR PATTERN DISCOVERY

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							ORCHESTRATED EXECUTION OF AN END-TO-END PROCESS
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90238693	Published		3/31/2014		15/114328	SII	PARALLELIZING SOLON
000000000000000000000000000000000000000	r domented		0.000		10/11/02/0	(DISTRIBUTED FILE SYSTEMS
90283779	Published		6/12/2014		15/303068	US	DETERMINING APPLICATION DEED COMENT
							RECOMMENDATIONS
90233561	Published		3/10/2014		15/114913	US	PARALLELIZING SQL USER
							FUNCTIONS
90203153	Published		1/30/2014		15/034513	US	OPTIMIZING WINDOW JOINS OVER DATA STREAMS

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90283766	Published		4/25/2014		15/303084	US	DATA MANAGEMENT IN A DISTTRIBLITED COMPLITING
							ENVIRONMENT
90196525	Published		1/29/2014		15/031503	US	PREDICTIVE ANALYTICS UTILIZING REAL TIME EVENTS
90202746	Published		12/20/2013		15/034324	US	GENERATING A VISUALIZATION OF A METRIC AT A LEVEL OF
							EXECUTION
90202765	Published		12/20/2013		15/034356	US	IDENTIFYING A PATH IN A WORKLOAD THAT MAY BE
							ASSOCIATED WITH A DEVIATION
90203138	Published		12/20/2013		15/034369	US	DISCARDING DATA POINTS IN A
90203143	Published		1/29/2014		15/034505	US	FORCE FEEDBACK
83862634	Published		3/19/2014		14/219209	US	User Defined Functions Including
							Requests for Analytics by External
	:						Analytic Engines
90203168	Published		1/31/2014		15/034523	S	PIXEL-BASED VISUALIZATION OF EVENT METRIC FLUCTUATION
90127442	Published		12/17/2015		14/973334	US	DISPLAYING VISUAL ANALYTICS
							OF ENTITY DATA
90196511	Published		12/19/2013		15/031431	US	ANALYZE CODE THAT USES WEB
							PARAMETER MODEL
83748040	Published		1/31/2014		14/170404	US	CLOUD IMPLEMENTATION OBCHESTB ATION
90196534	Published		1/31/2014		15/031454	US	APPLICATION TEST USING
							ATTACKSUGGESTIONS
90284639	Published		7/10/2014		15/303547	US	Using A Single Deployer Agent To
							Deploy A Plurality Of Programs On A Server
90283774	Published		6/24/2014		15/302759	US	DETERMINING CODE COMPLEXITY
	:						SCORES
90192481	Published		12/6/2013		15/033512	US	FLEXIBLE SCHEMA TABLE
90192462	Published		12/6/2013		15/033519	US	ACROSS MITTIPLE TOINS
90283098	Published		5/27/2014		15/302290	US	DISTRIBUTED COMPILATION OF
							STATICALLY TYPED LANGUAGES

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90040261	Abandoned		9/3/2015		104129161	TW	DETERMINE PROTECTIVE MEASURE FOR DATA THAT MEETS CRITTERIA
90040275	Allowed		9/18/2015		104130973	TW	DETERMINE SECURE ACTIVITY OF
							APPLICATION UNDER TEST
84247494	Allowed		5/15/2015		104115574	TW	POINT-WISE PROTECTION OF APPLICATION USING RUNTIME
							AGENT AND DYNAMIC SECURITY ANALYSIS
90167277	Application		3/17/2016		105108307	TW	Physical Barrier To Inhibit A Penetration
90173670	Application		3/21/2016		105108677	TW	INHIBITING A PENETRATION
	1						ATTACK
90167301	Application		3/17/2016		105108308	TW	PENETRATION DETECTION BOUNDARY HAVING A HEAT SINK
90076576	Application		10/16/2015		104134051	TW	KEY SPLITTING
90040266	Application		9/18/2015		104130972	TW	INFRASTRUCTURE RULE
84193048	Annlication		3/18/2015		104108610	TW	PACKET LOGGING
82579435	Granted	1480746	11/9/2010	4/11/2015	099138570	TW	Enabling Full-Text Searching Using A
							Structured Data Store
82579429	Granted	1498752	9/13/2010	9/1/2015	99130885	TW	Extracting Information From
							Unstructured Data And Mapping The
							Using The Naïve Bayesian Probability
							Model
82579562	Granted	1406152	9/7/2009	8/21/2013	98130163	TW	Storing Log Data Efficiently While
							Supporting Querying
82579552	Granted	1434190	12/28/2007	4/11/2014	96150901	TW	Storing Log Data Efficiently While
							Supporting Querying To Assist In
							Computer Network Security
82579396	Granted	1417737	10/25/2007	12/1/2013	96140086	TW	Real-Time Identification Of An Asset
							Model And Categorization Of An Asset
	2						To Assist in Computer Network Security
82579360	Granted	1312624	3/30/2007	7/21/2009	96111414	TW	Merging Multi-Line Log Entries
83982178	Granted	413988	2/3/1999	12/1/2000	88101616	TW	CRYPTOGRAPHIC SYSTEM

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90122098	Published		11/25/2015		104139133	TW	DETERMINE VULNERABILITY
							USING RUNTIME AGENT AND NETWORK SNIFFER
90173674	Withdrawn		3/17/2016		105108302	TW	INHIBITING ELECTROMAGNETIC
							FIELD-BASED EAVESDROPPING
82579395	Granted	150226	10/25/2007	9/30/2011	2009011180	SG	Real-Time Identification Of An Asset Model And Categorization Of An Asset
							To Assist In Computer Network Security
82579359	Granted	146862	4/3/2007	9/30/2009	200807443-7	SG	Merging Multi-Line Log Entries
82579307	Granted	127094	5/4/2005	4/30/2009	200607520-4	SG	Pattern Discovery In A Network Security
							System
82116893	Granted	65885	12/8/1997	5/31/2005	9902484-6	SG	PUBLIC KEY CRYPTOGRAPHIC APPARATUS AND METHOD
82934557	Allowed		1/30/2012		2012103312	RU	TEXT DETECTION IN IMAGES OF
							GRAPHICAL USER INTERFACES
90195980	Application		4/20/2016		PCT/US2016/028463	PCT	REPLACING A SUBSET OF DIGITS IN A SEQUENCE
90178788	Application		3/28/2016		PCT/US2016/024480	PCT	CODE COVERAGE THRESHOLDS FOR CODE SEGMENTS BASED ON
							USAGE FREQUENCY AND CHANGE
001/2510	÷ :		5		DOTATION 1 (01002)		FREQUENCY
90162510	Application		2/26/2016		PCT/US2016/019831	PCT	DIFFERENCES IN HIERARCHICAL
							TECHNOLOGY WORKFLOWS
90162506	Application		2/26/2016		PCT/US2016/019808	PCT	SIMILARITY SCORES OF RULES IN
							WORKFLOWS
90164229	Application		4/12/2016		PCT/US2016/027111	PCT	APPLICATION PERFORMANCE
							MONITORING
90164279	Application		3/18/2016		PCT/US2016/023259	PCT	DATA OBJECTS ASSOCIATED WITH
							PRIVATE SET INTERSECTION (PSI)
90146653	Application		4/22/2016		PCT/US2016/028788	PCT	AUTHORIZATION OF USE OF
90164253	Application		3/18/2016		PCT/US2016/023120	PCT	ASSISTING A SCANNING SESSION
90180116	Application		4/22/2016		PCT/US2016/029035	PCT	DETERMINING PROBABLE ROOT
							CAUSE OF PERFORMANCE ISSUES
90139871	Application		1/8/2016		PCT/US2016/012662	PCT	TIME SERIES TRENDS

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90162541	Application		2/18/2016		PCT/US2016/018382	PCT	VISUALIZATIONS OF COMPUTER PROGRAM TRANSACTIONS
90108619	Application		1/29/2016		PCT/US2016/015834	PCT	ENCRYPTION OF COMMUNITY- BASED SECURITY INFORMATION
90108615	Application		1/29/2016		PCT/US2016/015636	PCT	COMMUNITIES ON A SECURITY INFORMATION SHARING PLATFORM
90115906	Application		3/18/2016		PCT/US2016/023254	PCT	PLAINTEXTS ENCRYPTED WITH PLURALITIES OF KEYS
90115902	Application		2/19/2016		PCT/US2016/018780	PCT	ENCRYPTION METHODS
90115752	Application		2/5/2016		PCT/US2016/016867	PCT	EXTENDED CIPHERTEXTS
90115739	Application		2/26/2016		PCT/US2016/019809	PCT	SCAN ADAPTATION DURING SCAN EXECUTION
90127630	Application		1/28/2016		PCT/US2016/015345	PCT	DATABASE SERVER TO PREDICT SALES
90124829	Application		11/30/2015		PCT/US2015/062991	PCT	ALIGNMENT AND DEDUPLICATION OF TIME-SERIES DATASETS
90114610	Application		1/25/2016		PCT/US2016/014711	PCT	COORDINATING OPERATION OF A NUMBER OF DIFFERENT MODULES
90114606	Application		1/19/2016		PCT/US2016/013856	PCT	IMPAIRMENT IN AN APPLICATION TEST EXECUTION
90116118	Application		1/5/2016		PCT/US2016/012139	PCT	RESOURCE REQUESTS
90153219	Application		1/29/2016		PCT/CN2016/072664	PCT	ERROR BLOCK DETERMINATION
90115705	Application		11/20/2015		PCT/US2015/061998	PCT	SEGMENTS OF DATA ENTRIES
90115658	Application		1/29/2016		PCT/US2016/015679	PCT	Text Search of Database with One-Pass Indexing Including Filtering
90114684	Application		3/7/2016		PCT/US2016/021137	PCT	SIMULATION ENVIRONMENT CREATION
90115717	Application		1/25/2016		PCT/US2016/014744	PCT	PROTECTING DATA OF A PARTICULAR TYPE
90115662	Application		1/29/2016		PCT/US2016/015674	PCT	TEXT SEARCH OF DATABASE WITH ONE-PASS INDEXING
90114627	Application		2/17/2016		PCT/US2016/018260	PCT	ENVIRONMENT SIMULATIONS
90068574	Application		11/4/2015		PCT/US2015/059120	PCT	PROCESSING DATA BETWEEN DATA STORES
90114003	Application		3/23/2016		PCT/US2016/023655	PCT	COMPARABLE USER INTERFACE OBJECT IDENTIFICATIONS

THREAT SCORE DETERMINATION	PCT	PCT/US2015/052650		9/28/2015		Application	90037855
DYNAMIC SCHEMA TYPING	PCT	PCT/US2015/059055		11/4/2015		Application	90037863
GRAPH DATABASE MANAGEMENT	PCT	PCT/US2015/048562		9/4/2015		Application	90016885
GRAPH DATABASE AND RELATIONAL DATABASE MAPPING	PCT	PCT/US2015/049668		9/11/2015		Application	90016889
MULTI-LEVEL RANKING							
GENERATING COHORTS USING AUTOMATED WEIGHTING AND	PCT	PCT/US2015/054866		10/9/2015		Application	90037094
BINARY CODE DATA							
CLASSIFICATION MODELS FOR	PCT	PCT/US2015/060333		11/12/2015		Application	90027147
CLASSIFIER	PCT	PCT/US2015/048502		9/4/2015		Application	90037294
GENERATING RECOMMENDED INPUTS	PCT	PCT/US2016/016948		2/8/2016		Application	90037827
THE IMPACT OF CODE CHANGES	101	1 01/002010/015150		1/2/1/2010		Аррисацоп	20022210
RECOMMENDATIONS RASED ON	PCT	PCT/11S2016/015156		1/27/2016		Annlication	00030518
USER INTERACTION LOGIC CLASSIFICATION	PCT	PCT/US2015/058137		10/29/2015		Application	90037725
PLATFORM							
SECURITY INFORMATION SHARING							
AMONG DATA RECORDS IN A	101	FC1/U32010/01/003		2/12/2010		Аррисацоп	90032023
VISITAL IZATION OF ASSOCIATIONS	DCT.	DCT/ITC2016/017803		2/12/2016		Application	00022022
SECURITY INFORMATION SHARING							
AMONG DATA RECORDS IN A							
STRENGTH OF ASSOCIATIONS	PCT	PCT/US2016/017835		2/12/2016		Application	90032041
ANNOTATED QUERY GENERATOR	PCT	PCT/US2015/044193		8/7/2015		Application	90015754
INDEXING	(1			6
GEO-POSITIONING INFORMATION	PCT	PCT/US2015/053830		10/2/2015		Application	90035203
BASED ON A PERIOD OF TIME	101	1017002010700707		111717		туррисацон	70051052
DIRECT CONNECTION I IMITATION	PCT	PCT/HS2015/058987		11/4/2015		Application	00037052
AUTOMATIC OUERY	PCT	PCT/US2015/050937		9/18/2015		Application	90037110
ASSESSMENT	FC1	FC1/U32013/000308		11/15/2015		Аррисацоп	9005/0/4
WEB APPLICATION		DCT/ITC2015/060569		11/12/2015		A1:	15055000
DETECTING VULNERABILITIES IN A	PCT	PCT/US2015/060573		11/13/2015		Application	90037078
MANAGEMENT							
TECHNOLOGY SERVICE	1	1		1		H	1
MESSAGE BASED INFORMATION	PCT	PCT/US2015/047782		8/31/2015		Application	90035134
App Title	Country	App No.	Grant Date	Filed Date	Patent No.	Status	Patent ID

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90031991	Application		2/12/2016		PCT/US2016/017862	PCT	SOURCE ENTITIES OF SECURITY
							INDICATORS
90035195	Application		10/29/2015		PCT/US2015/058109	PCT	MODELS BASED ON DATA AUGMENTED WITH CONCEIVABLE
							TRANSITIONS
90035355	Application		10/20/2015		PCT/US2015/056466	PCT	USING MACHINE LEARNING REGRESSION TO ESTIMATE TIME
							FOR COMPLETING APPLICATION
							LIFECYCLE MANAGEMENT WORK
							ITEM
90037839	Application		1/11/2016		PCT/US2016/012863	PCT	POPULARITY-BASED PROMOTION
							OF APPLICATION FEATURES
90027143	Application		11/19/2015		PCT/US2015/061651	PCT	PREDICTION MODELS FOR
90039677	Application		1/30/2016		PCT/US2016/015848	PCT	LOG EVENT CLUSTER ANALYTICS
	- 1						MANAGEMENT
90035351	Application		10/8/2015		PCT/US2015/054663	PCT	COMPARING SCRIPTS
90037875	Application		1/12/2016		PCT/US2016/012934	PCT	DETERMINING VISUAL TESTING COVERAGES
90037847	Application		11/3/2015		PCT/US2015/058789	PCT	PASSWORD MODIFICATIONS
90037269	Application		2/5/2016		PCT/CN2016/073690	PCT	USER INTEREST AND
							RELATIONSHIP DETERMINATION
90038013	Application		9/25/2015		PCT/US2015/052176	PCT	SETUP FILE SYSTEM WITHOUT
							EDITING KERNEL CODE
90027139	Application		12/9/2015		PCT/US2015/064667	PCT	SOFTWARE DEVELOPMENT MANAGEMENTS
84251788	Application		9/25/2015		PCT/US2015/052447	PCT	ASSOCIATIONS AMONG DATA
							RECORDS IN A SECURITY
							INFORMATION SHARING
							PLATFORM
84251745	Application		6/26/2015		PCT/US2015/038129	PCT	SHARING OF COMMUNITY-BASED
20012010	Application		0/11/2015		DCT/ITC2015/0/4/612	DCT	DISTRIBUTE EXECUTION OF USED
0404020	Аррисацоп		0/11/2015		FC1/032013/0 41 012	FCI	DEFINED FUNCTION
84264622	Application		8/7/2015		PCT/US2015/044345	PCT	IDENTIFYING SHORTEST PATHS
84261529	Application		8/14/2015		PCT/US2015/045327	PCT	DYNAMIC LEXER OBJECT
							CONSTRUCTION

Patent ID 84260018 84240216 84240200 84262320 90037718	Application Application Application Application Application Application	Patent No.	Filed Date 8/10/2015 8/12/2015 8/12/2015 8/12/2015 10/30/2015 8/14/2015	Grant Date	App No. PCT/US2015/044502 PCT/US2015/044903 PCT/US2015/044898 PCT/US2015/044877 PCT/EP2015/075303 PCT/US2015/045378		Country App Title PCT USING A SHARED PRIORITY QUEUE FOR MULTI-THREADED SEARCHING PCT Application ecurity issue classifier policy based training and classification PCT RETRAINING A MACHINE CLASSIFIER BASED ON AUDITED ISSUE DATA PCT Training a machine learning classifier to evaluate application security issues PCT ORDER OF NOT SUCCESSFULLY PROCESSED REQUESTS DYNAMIC BUILD PIPELINE EXECUTION
	Application Application		10/30/2015 8/14/2015 8/18/2015		PCT/I	3P2015/075303 JS2015/045378	PCT PCT
84262744 84264767	Application Application		8/18/2015 9/19/2015		PCT/US	PCT/US2015/045723 PCT/US2015/051109	S2015/045723 PCT USER INTERFACE BEHAVION BASED RULES GENERATION S2015/051109 PCT DETERMINING OUTPUT PRESENTATION TYPE
84265094 84265086	Application Application		7/30/2015 9/8/2015		PCT/CI	PCT/CN2015/085581 PCT/US2015/048843	PCT
84113235 84116894	Application Application		1/29/2015 1/30/2015		PCT/I	PCT/US2015/013587 PCT/IN2015/000060	IS2015/013587 PCT GPS Computation Cycling N2015/000060 PCT GENERATION OF DIGITAL
84031508	Application		12/16/2014		PCT/L	PCT/US2014/070608	JS2014/070608 PCT DISPLAY A SUBSET OF OBJECTS ON A USER INTERFACE
84031496	Application		11/4/2014		PCT/U	PCT/US2014/063813	PCT
84030107 84031492	Application Application		11/14/2014 12/16/2014		PCT/U	PCT/US2014/065586 PCT/US2014/070616	S2014/065586 PCT SATISFACTION METRIC FOR CUSTOMER TICKETS S2014/070616 PCT IDENTIFICATION OF A SET OF
84031488	Application		12/19/2014		PCT/L	PCT/US2014/071587	JS2014/071587 PCT AUTOMATIVE SYSTEM MANAGEMENT
84031484	Application		11/4/2014		PCT/L	PCT/US2014/063837	PCT

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	n 9/23/2014 5/20/2011	014	PCT/US2014/056963 PCT/US2011/037318	PCT PCT	Event Log Analysis SECURITY THREAT DETECTION
			I CHODEOTH COLOR	<u> </u>	ASSOCIATED WITH SECURITY EVENTS AND AN ACTOR CATEGORY MODEL
	6/1/2011	11	PCT/US2011/038745	PCT	Dynamic Multidimensional Schemas for Event Monitoring
	6/10/2011	011	PCT/US2011/040011	PCT	QUERY PIPELINE
	11/9/2010	010	PCT/US2010/056015	PCT	Enabling Full-Text Searching Using Structured Data Store
	9/4/2009	09	PCT/US2009/056090	PCT	Storing Log Data Efficiently While Supporting Querying
	12/28/2007	2007	PCT/US2007/089027	PCT	Storing Log Data Efficiently While Supporting Querying To Assist in Computer Network Security
	10/25/2007	2007	PCT/US2007/082562	PCT	Real-Time Identification Of An Asset Model And Categorization Of An Asset To Assist In Computer Network Security
	10/25/2007	2007	PCT/US2007/082560	PCT	Tracking Changing State Data To Assist In Computer Network Security
	4/3/2007	07	PCT/US2007/065886	PCT	Merging Multi-Line Log Entries
	12/21/1998	1998	PCT/US1998/027249	PCT	Method And Apparatus For Expedited Log-on To An Application Program
	5/4/2005	05	PCT/US2005/015933	PCT	Pattern Discovery In A Network Security System
	8/25/2006	006	PCT/US2006/033639	PCT	Apparatus and method for analyzing and supplementing a program to provide security
	5/12/2005	.005	PCT/US2005/016756	PCT	APPARATUS AND METHOD FOR DEVELOPING, TESTING AND MONITORING SECURE SOFTWARE
	6/29/2007	.007	PCT/US2007/072463	PCT	STANDARD OPERATING PROCEDURE AUTOMATION IN DATABASE ADMINISTRATION
	12/14/2007	2007	PCT/US2007/087548	PCT	STANDARD OPERATING PROCEDURE AUTOMATION IN DATABASE ADMINISTRATION

82244420	82244363	82243790		82242086	02241203	022/1205	82239566	82239068	82235414			82233212	07733173	07722172	82232864		82216271	82215812	82208909			82205267		82194230		82116881	Patent ID
National	National	National		National	National	Not.	National	National	National		ATHEROMAN	National	Mational	Notional	National	A CONTRACTOR	National	National	National			National		National		National	Status
																											Patent No.
5/29/2008	2/11/2005	10/13/2008		2/15/2008	2/21/2000	2/21/2000	11/8/2007	2/29/2008	1/31/2008		TO POOR	4/3/2001	1/9/2001	1/0/2001	1/17/2000	X 07 07 11 00 00	10/5/2005	4/20/2007	4/28/2006			6/22/2007		7/29/2005		12/8/1997	Filed Date
																											Grant Date
PCT/US2008/065053	PCT/US2005/004546	PCT/US2008/079739		PCT/EP2008/051894	FC1/H\2008/000102	DCT/IN/2000/000102	PCT/CN2007/071033	PCT/US2008/055479	PCT/US2008/052602		FOR OBEOGRAPHICA	PCT/US2001/010686	FC1/U32001/000028	DCT/1182001/000628	PCT/US2000/024303	A CAPA MOCOULOS CON	PCT/IP2005/018431	PCT/US2007/009709	PCT/US2006/016656			PCT/US2007/014636		PCT/US2005/027107		PCT/US1997/022026	App No.
PCT	PCT	PCT		PCT	rC1	DC/T	PCT	PCT	PCT		(PCT	PC1	DOT.	PCT		PCT	PCT	PCT			PCT		PCT		PCT	Country
Method And System Of Testing Software Using Real Time Replication	System And Method For Testing Web Applications With Recursive Discovery And Analysis	Trend Determination And Identification	PROGRAM PRODUCT FOR CHANGING AN IT SYSTEM	METHOD AND COMPUTER	For Forecasting System Behavior	Mothed And Computer Program Product	Navigational Ranking For Focused	Identification Of Elements Of Currently- executing Component Script	Automated Application Dependency Mapping	TESTING	SUPPORT MULTIPLE NETWORK	USE OF A SINGLE THREAT TO	THE INTERNET	SEBVICE EOD I OAD TESTING A	POST-DEPLOYMENT MONITORING OF SERVER PERFORMANCE	Method	Load-testing Device And Load-testing	Dynamic Data Navigation	Providing Training Information For Training A Categorizer	Manufacture	Management Systems, And Articles Of	Image Management Methods, Image	Discovery	System And Method For Category	APPARATUS AND METHOD	PUBLIC KEY CRYPTOGRAPHIC	App Title

82260158	82260149		82259690	02239009	0330300	82258970			82258664			82258550			82258334				82251434		82251074		82250654	6220080		82249397		82247219	82245782	82245473		82244966	Patent ID
National	National		National	Mational	Notice of	National			National			National			National				National		National		National	National		National		National	National	National		National	Status
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PCT/US2010/030518	PCT/US2010/036107		PCT/US2009/062104	FC1/U32009/003390	005590/000C311/T/C	PCT/US2010/048686			PCT/US2009/062904			PCT/US2009/049500			PCT/US2009/051900				PCT/IN2009/000327		PCT/US2009/052452		PCT/IN2010/000405	PC1/US2009/045865		PCT/IN2008/000846		PCT/US2009/051722	PCT/US2008/066964	PCT/US2008/080113		PCT/EP2008/063910	App No.
PCT	PCT		PCT	rC1	DCT.	PCT			PCT			PCT			PCT				PCT		PCT		PCT	PCI		PCT		PCT	PCT	PCT		PCT	Country
Method And System For Comparing And Locating Projects	GRAPH AUTHORIZATION	Connections	Automatic Redundant Logical	Identification In A User Interface	Agentiess Monthed For Object	Automatic Selection Of Agent-based Or	Distribution Profile Of The Topic	Selected From Object And Probability	Determining Probability Than An Object Bolong To A Tonic Heing Sommle Items	PRODUCT	SUPPORTING A COMPUTER-BASED	METHOD AND APPARATUS FOR	OF MAINTENANCE REQUIREMENTS	TECHNOLOGY SERVICE IN LIGHT	INSTANTIATING AN INFORMATION	SERVICE	INTERACTION WITH A WEB	REPRESENTING USER	SYSTEM AND METHOD FOR	Inventory Applications	Method And System To Recognize And	Accuracy	Method And System For Verifying Data	System And Method For Collecting Application Performance Data	And Computer Program Product	Document Information Selection Method	service Provision	Virtual-machine-based Application-	Hierarchical Policy Management	Performance Analysis Of Applications	Configuration Management Database	Retrieving Configuration Records From A	App Title

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Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
82260626	National		4/10/2010		PCT/US2010/030657	PCT	INJECTION OF DATA INTO A SOFTWARE APPLICATION
82261028	National		5/11/2010		PCT/US2010/034446	PCT	Software Application Testing
82262222	National		4/29/2010		PCT/US2010/033014	PCT	DOCUMENT REGISTRY SYSTEM
82262360	National		6/21/2010		PCT/US2010/039387	PCT	SYSTEM FOR TESTING AND CERTIFYING A VIRTUAL APPLIANCE ON A CUSTOMER COMPUTER SYSTEM
82262510	National		6/1/2010		PCT/US2010/036971	PCT	Methods, Apparatus, And Articles Of Manufacture To Deploy Software Applications
82263005	National		7/30/2010		PCT/US2010/044029	PCT	SYSTEMS AND METHODS FOR CREDENTIALING
82263056	National		7/9/2010		PCT/US2010/041606	PCT	RESPONSES TO SERVER CHALLENGES INCLUDED IN A HYPERTEXT TRANSFER PROTOCOL HEADER
82263062	National		8/26/2010		PCT/US2010/046856	PCT	ISOLATION OF PROBLEMS IN A VIRTUAL ENVIRONMENT
82263092	National		6/9/2010		PCT/US2010/038053	PCT	DETERMINING SIMILARITY SCORES OF ANOMALIES
82263098	National		10/27/2010		PCT/US2010/054258	PCT	SYSTEMS AND METHODS FOR SCHEDULING CHANGES
82263125	National		9/7/2010		PCT/US2010/048031	PCT	SYSTEM AND METHOD FOR AUTOMATED DEPLOYMENT OF MULTI-COMPONENT COMPUTER ENVIRONMENT
82264007	National		7/22/2010		PCT/US2010/042888	PCT	Context-based Item Bookmarking
82264061 82264154	National National		10/19/2010		PCT/US2010/040600 PCT/US2010/053122	PCT	Tracking A Server Request METHODS AND SYSTEMS FOR GENERATION OF AUTHORIZED VIRTUAL APPLIANCES
82264304	National		10/29/2010		PCT/CN2010/001720	PCT	Software Application Recognition
82264331	National		3/3/2011		PCT/US2011/027028	PCT	TESTING INTEGRATED BUSINESS SYSTEMS
82264340	National		8/6/2010		PCT/US2010/044728	PCT	SYSTEM AND METHODS FOR APPORTIONING POWER CONSUMPTION

IMPROVEMENT MESSAGE BASED ON ELEMENT SCORE	PCT	PCT/US2014/053550		8/29/2014		National	84020434
ESTIMATING COSTS OF BEHAVIORAL TARGETING	PCT	PCT/US2011/028486		3/15/2011		National	82578676
SELF-ORGANIZATION OF A SATELLITE GRID	PCT	PCT/US2011/028840		3/17/2011		National	82581655
TIME FRAME BASED DATA ANALYSIS	PCT	PCT/IN2011/000218		3/30/2011		National	82581646
USABILITY TESTING	PCT	PCT/US2011/028473		3/15/2011		National	82581615
GRAPHICAL OBJECT CLASSIFICATION	PCT	PCT/US2011/031615		4/7/2011		National	82576782
IMAGE-BASED AUTOMATION SYSTEMS AND METHODS	PCT	PCT/US2011/035562		5/6/2011		National	82576763
PERFORMING A CHANGE PROCESS BASED ON A POLICY	PCT	PCT/US2011/027648		3/9/2011		National	82581591
CREATING A CORRELATION RULE DEFINING A RELATIONSHIP BETWEEN EVENT TYPES	PCT	PCT/US2011/031056		4/4/2011		National	82581583
DETERMINE AUTHORIZATION OF A SOFTWARE PRODUCT BASED ON A FIRST AND SECOND AUTHORIZATION ITEM	PCT	PCT/US2010/056445		11/12/2010		National	82276121
Pattern Recognition	PCT	PCT/US2011/026722		3/1/2011		National	82662248
Population Category Hierarchies	PCT	PCT/US2011/025030		2/16/2011		National	82265504
Causal Dynamic Model For Revenue	PCT	PCT/US2010/058140		11/27/2010		National	82265486
GENERATING TEST DATA	PCT	PCT/CN2011/000255		2/18/2011		National	82654198
COMPUTER NETWORK NODE DISCOVERY	PCT	PCT/US2010/059978		12/11/2010		National	82265327
PROVIDING CONTROL OVER A PERSONALIZED CATEGORY OF INFORMATION	PCT	PCT/US2010/054243		10/27/2010		National	82264478
CREATING A TEST CASE	PCT	PCT/CN2011/000368		3/8/2011		National	82665041
CONTAINING A REPRESENTATION OF ALTERNATIVE INTERPRETATIONS OF A USER ACTION							
PROVIDING AUTOMATION CODE	PCT	PCT/US2010/045742		8/17/2010		National	82264346
App Title	Country	App No.	Grant Date	Filed Date	Patent No.	Status	Patent ID

Patent No. Fried Date Grant Date App No. Country	APPLICATION SECURITY TESTING	PCT	PCT/US2011/038609		5/31/2011		National	82745696
Patent No. Flied Date Grant Date App No. Country	EMAIL TAGS	PCT	PCT/US2011/058655		10/31/2011		National	82819619
Patent No. Fried Date Grant Date App No. Country	MAINTAINING AND UTILIZING A REPORT KNOWLEDGEBASE	PCT	PCT/US2011/045597		7/27/2011		National	82755127
Patent No. Filed Date Craint Date App No. Country	Generating A Non-Deterministic Model of a Process for a Goal	PCT	PCT/US2011/055390		10/7/2011		National	82748989
Patent No. Filed Date Grant Date App No. Country	METHOD OF SEARCHING AND GENERATING A RELEVANT SEARCH STRING	PCT	PCT/US2011/058937		11/2/2011		National	82775509
Patent No. Filed Date Grant Date App No. Country	ASSET MODEL IMPORT CONNECTOR	PCT	PCT/US2012/049188		8/1/2012		National	82775639
Patent No. Filed Date Grant Date App No. Country	WORKFLOW CUSTOMIZATION	PCT	PCT/US2014/053236		8/28/2014		National	84019703
Patent No. Filed Date Grant Date App No. Country	AUTOMATED SECURITY TESTING	PCT	PCT/US2011/038550		5/31/2011		National	82745702
Patent No. Filed Date Grant Date App No. Country	VIRTUAL MACHINE PLACEMENT	PCT	PCT/US2011/043537		7/11/2011		National	82663275
Patent No. Filed Date Grant Date App No. Country	SYSTEMS AND METHODS FOR DISTRIBUTED RULE-BASED CORRELATION OF EVENTS	PCT	PCT/US2011/046024		7/29/2011		National	82672043
Filed Date Grant Date App No. Country	DEMAND DEMAND	PCT	PCT/US2011/058666		10/31/2011		National	82748981
Patent No. Filed Date of Living Processing Proce	AUTOMATIC CLASSIFICATION ADJUSTMENT OF RECORDED ACTIONS FOR AUTOMATION SCRIPT	PCT	PCT/US2011/034941		5/3/2011		National	82662319
Patent No. Filed Date Grant Date App No. Country al 11/15/2001 PCT/US2001/045599 PCT al 5/20/2011 PCT/US2011/037313 PCT al 8/25/2011 PCT/US2011/049051 PCT al 7/12/2011 PCT/US2011/049051 PCT al 7/31/2011 PCT/US2011/043636 PCT al 4/23/2012 PCT/CN2012/074509 PCT al 9/8/2014 PCT/US2014/054478 PCT	MEMORY PROCESSING OF EVENTS	101	r Cri Coronnico Iori		11011011		Turiona	01011010
Patent No. Fried Date of Late	SYSTEMS AND METHODS FOR IN-	PCT	PCT/HS2011/034674		4/29/2011		National	82672020
Patent No. Filed Date Grant Date App No. Country al 11/15/2001 PCT/US2001/045599 PCT al 5/20/2011 PCT/US2011/037313 PCT al 8/25/2011 PCT/US2011/049051 PCT al 7/12/2011 PCT/US2011/043636 PCT al 7/31/2011 PCT/US2011/046064 PCT al 4/23/2012 PCT/CN2012/074509 PCT	USER INTERFACE COMPONENTS LOAD TIME VISUALIZATION	PCT	PCT/US2014/054478		9/8/2014		National	84031452
Patent No. Fried Date of Piled Date all Piled Date of Date of Date of Date of Date all Piled Date of D	STATISTICAL ANALYSIS USING A GRAPHICS PROCESSING UNIT	PCT	PCT/CN2012/074509		4/23/2012		National	82993324
Patent No. Filed Date Grant Date App No. Country al 11/15/2001 PCT/US2001/045599 PCT al 5/20/2011 PCT/US2011/037313 PCT al 8/25/2011 PCT/US2011/049051 PCT al 7/12/2011 PCT/US2011/043636 PCT	INCIDENT HANDLING	PCT	PCT/US2011/046064		7/31/2011		National	82662283
Patent No. Filed Date Grant Date App No. Country al 11/15/2001 PCT/US2001/045599 PCT al 5/20/2011 PCT/US2011/037313 PCT al 8/25/2011 PCT/US2011/049051 PCT	AUDIO SAMPLE	PCT	PCT/US2011/043636		7/12/2011		National	82747501
Patent No. Filed Date Grant Date App No. Country al 11/15/2001 PCT/US2001/045599 PCT al 5/20/2011 PCT/US2011/037313 PCT	RECOMMENDING A NEXT STEP TO TAKE IN A CASE	PCT	PCT/US2011/049051		8/25/2011		National	82748993
Patent No. Filed Date Grant Date App No. Country al 11/15/2001 PCT/US2001/045599 PCT al 5/20/2011 PCT/US2011/037313 PCT	CONFIGURATION POLICY EXTRACTION							
al Patent No. Filed Date Grant Date App No. Country 11/15/2001 PCT/US2001/045599 PCT	SYSTEM AND METHOD FOR	PCT	PCT/US2011/037313		5/20/2011		National	82662276
Patent No. Filed Date Grant Date App No. Country	Document Representation And Processing Method	PCT	PCT/US2001/045599		11/15/2001		National	82069916
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Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
83998390	National		7/28/2014		PCT/US2014/048384	PCT	PROVIDING DATA BACKUP
83082921	National		8/24/2012		PCT/US2012/052289	PCT	MULTIDIMENSION CLUSTERS FOR DATA PARTITIONING
82891351	National		12/20/2011		PCT/US2011/066060	PCT	DISTRIBUTED EVENT PROCESSING
83998451	National		7/28/2014		PCT/US2014/048397	PCT	DETECTION OF ABNORMAL TRANSACTION LOOPS
82775647	National		9/7/2012		PCT/US2012/054193	PCT	VISUAL COMPONENT AND DRILL DOWN MAPPING
82748062	National		6/30/2011		PCT/US2011/042726	PCT	SYSTEMS AND METHODS FOR MERGING PARTIALLY AGGREGATED QUERY RESULTS
83998384	National		7/28/2014		PCT/US2014/048392	PCT	ACCESSING RESOURCES ACROSS MULTIPLE TENANTS
83082916	National		8/24/2012		PCT/US2012/052284	PCT	MULTIDIMENSION COLUMN-BASED PARTITIONING AND STORAGE
82847464	National		10/27/2011		PCT/US2011/058043	PCT	Aligning Annotation of Fields of Documents
82858573	National		2/8/2012		PCT/US2012/024367	PCT	TRANSITION BETWEEN STATES IN A PROCESSOR
84033563	National		9/26/2014		PCT/US2014/057712	PCT	ITEM RECOMENDATION
82828075	National		12/15/2011		PCT/US2011/065081	PCT	RESET VECTORS FOR BOOT INSTRUCTIONS
83966543	National		6/4/2014		PCT/US2014/040903	PCT	EVALUATING USER EXPERIENCE
82832258	National		12/22/2011		PCT/US2011/066750	PCT	CRYPTOGRAPHIC INFORMATION ASSOCIATION TO MEMORY REGIONS
82858614	National		1/31/2012		PCT/US2012/023385	PCT	Access to Memory Region Including Confidential Information
83965806	National		6/9/2014		PCT/US2014/041582	PCT	TOP-K PROJECTION
82841317	National		9/21/2011		PCT/US2011/052594	PCT	AUTOMATED DETECTION OF A SYSTEM ANOMALY
82838215	National		1/20/2012		PCT/US2012/022074	PCT	MANAGING DATA ENTITIES USING COLLABORATIVE FILTERING
82832262	National		1/6/2012		PCT/US2012/020528	PCT	REQUESTED AND ALLOWED CRYPTOGRAPHIC OPERATIONS COMPARISON
82829500	National		12/15/2011		PCT/US2011/065066	PCT	SECURITY PARAMETER ZEROIZATION

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National	Fatent No.	6/9/2014	Grant Date	App No. PCT/US2014/041580	PCT	App Title Aggregate Projection
National		1/31/2012		PCT/US2012/023252	PCT	CONTINUOUS DEPLOYMENT OF
National		3/30/2012		PCT/US2012/031542	PCT	SECURE BOOT INFORMATION WITH
						VALIDATION CONTROL DATA SPECIFYING A VALIDATION TECHNIQUE
National		12/2/2011		PCT/IN2011/000822	PCT	Topic Extraction And Video Association
National		2/3/2012		PCT/US2012/023794	PCT	SELECTOR SYNCRONIZED WITH MOVEMENT OF DATA IN MEMORY
National		8/31/2011		PCT/US2011/050097	PCT	PROVIDING APPLICATION CONTEXT FOR A CONVERSATION
National		4/30/2012		PCT/US2012/035884	PCT	AUTOMATED EVENT MANAGEMENT
National		6/9/2014		PCT/US2014/041572	PCT	MANAGING STORAGE OF DATA
National		9/30/2011		PCT/US2011/054332	PCT	EXTENDING A CONVERSATION ACROSS APPLICATIONS
National		1/23/2012		PCT/US2012/022249	PCT	IDENTIFYING A POLLING COMMUNICATION PATTERN
National		1/26/2012		PCT/US2012/022666	PCT	IDENTIFYING A PUSH COMMUNICATION PATTERN
National		11/21/2011		PCT/US2011/061722	PCT	MANAGEMENT OF CONTEXT- SENSITIVE HELP LINKS
National		10/20/2011		PCT/US2011/057139	PCT	SYSTEMS AND METHODS FOR EVALUATION OF EVENTS BASED ON A REFERENCE BASELINE
						ACCORDING TO TEMPORAL POSITION IN A SEQUENCE OF EVENTS
National		7/24/2014		PCT/US2014/048063	PCT	END POINT IDENTIFICATION
National		2/29/2012		PCT/US2012/027115	PCT	NETWORK SERVICE INTERFACE ANALYSIS
National		8/30/2012		PCT/US2012/053215	PCT	ENCRYPTED DATA STORE FOR RECORDS
National		2/29/2012		PCT/US2012/027111	PCT	NETWORK SERVICE INTERFACE ANALYSIS
National		7/29/2014		PCT/US2014/048642	PCT	DETECTING SEMANTIC SIMILARITY IN A STRUCTURED DATASET
	Status National	StatusPatent No.National	Patent No.	Patent No.	Patent No. Filed Date Grant Date 6/9/2014 1/31/2012 3/30/2012 3/30/2012 1/2/2011 1/2/3/2012 4/30/2012 4/30/2012 1/2/3/2011 1/2/3/2012 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2012 8/30/2012 8/30/2012 1/29/2012 8/30/2012 1/29/2012 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2011 1/2/20/2012 1/2/20/20/20/20/20/20/20/20/20/20/20/20/2	Patent No. Filed Date App No. 699/2014 PCT/US2014/041580 1/31/2012 PCT/US2014/041580 1/31/2012 PCT/US2012/03252 3/30/2012 PCT/US2012/031542 PCT/US2012/031542 PCT/US2012/031542 PCT/US2012/031542 PCT/US2012/031542 PCT/US2012/03097 PCT/US2012/023794 PCT/US2012/023794 PCT/US2012/023794 PCT/US2012/035884 A/30/2012 PCT/US2012/035884 PCT/US2012/035215 PCT/US2012/

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83954146	National	A discuss 1 100	7/10/2014	Or and Date	PCT/US2014/046189	PCT	Data Categorization Using Named Entity
							Extraction
82962787	National		9/12/2012		PCT/US2012/054881	PCT	VALIDATING A METADATA TREE USING A METADATA INTEGRITY
							VALIDATOR
83954307	National		8/18/2014		PCT/US2014/051408	PCT	INTERACTIVE SEQUENTIAL
83952472	National		7/21/2014		PCT/US2014/047364	PCT	REMEDIAL ACTION FOR RELEASE
6					6	(OF THREAT DATA
82962797	National		9/12/2012		PCT/US2012/054885	PCT	METADATA TREE WITH KEY
							ROTATION INFORMATION
82914266	National		3/30/2012		PCT/CN2012/073285	PCT	ASSOCIATING AN APPLICATION
830//7/1	Notional		6/20/2017		PCT/I182014/044032	PCT	Automotic Generation of Sub Dueries
82964959	National		3/30/2012		PCT/US2012/031433	PCT	SOFTWARE DEVELOPMENT
							ACTIVITY
82903405	National		5/30/2012		PCT/US2012/040019	PCT	FIELD SELECTION FOR PATTERN DISCOVERY
82962801	National		9/30/2012		PCT/US2012/058194	PCT	ELECTRONIC HEALTH RECORD
							SYSTEM WITH
							CUSTOMIZABLECOMPLIANCE
9302066	Not.		11/10/2011		DCT/ITC2011/061255	DCT	OLIEBA SLIMMARA CENEDATION
00000000	TAUTIOHII		11/10/2011		101/002011/001555	101	USING ROW-COLUMN DATA
							STORAGE
82903409	National		1/26/2012		PCT/US2012/022775	PCT	CLUSTERING EVENT DATA BY
82010265	Viction 1		1/26/2013		DCT/I (\$2012/0227/1	DCT.	MULTIPLE TIME DIMENSIONS
02710200	TAUTIOHEI		1120/2012		1 C1/082012/022/71	101	AUTOMATION
82910276	National		1/26/2012		PCT/US2012/022748	PCT	IMAGE-BASED APPLICATION
							AUTOMATION
82963832	National		4/20/2012		PCT/US2012/034395	PCT	TESTING SYSTEM FOR AN INTEGRATED SOFTWARE SYSTEM
82910286	National		3/21/2012		PCT/HS2012/025476	PCT	TOPOLOGICAL OHERY IN MILL TI-
							TENANCY ENVIRONMENT
82992384	National		3/26/2012		PCT/US2012/030569	PCT	TOPOLOGICAL QUERY IN MULTI- TENANCY ENVIRONMENT

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Patent ID 82910367	Status National	Patent No.	1/31/2012	Grant Date	App No. PCT/US2012/023344	Country PCT	App Title IDENTIFCATION OF A FAILED CODE
							CHANGE
82909016	National		2/7/2012		PCT/US2012/024087	PCT	TESTING A MOBILE APPLICATION
83014275	National		7/31/2012		PCT/US2012/049068	PCT	Supporting Multi-Tenancy in a Federated
82962944	National		4/27/2012		PCT/US2012/035432	PCT	APPLICATION RETENTION METRICS
83038085	National		7/31/2012		PCT/CN2012/079391	PCT	Context-Aware Category Ranking for Wikinedia Concepts
82961726	National		4/30/2012		PCT/US2012/035874	PCT	Prioritization of continuous deployment
							pipeline tests
82962876	National		5/15/2012		PCT/CN2012/075497	PCT	PATTERN MINING BASED ON OCCUPANCY
82976931	National		6/29/2012		PCT/CN2012/077903	PCT	RULE-BASED AUTOMATED TEST DATA GENERATION
82961917	National		7/31/2012		PCT/US2012/049039	PCT	CONJOINT VULNERABILITY
83958705	National		7/22/2014		PCT/HS2014/047575	PCT	Conditional Sharing of Security Indicators
82961922	National		7/31/2012		PCT/US2012/049043	PCT	VULNERABILITY VECTOR INFORMATION ANALYSIS
82990983	National		6/8/2012		PCT/US2012/041572	PCT	PATIENT INFORMATION INTERFACE
83958029	National		7/22/2014		PCT/US2014/047579	PCT	Systems and methods to identify access to
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82963434	National		0/29/2012		PC1/US2012/044804	PCI	COLLABORATION CONTENT
83957998	National		7/21/2014		PCT/US2014/047445	PCT	Systems and procedures for determining linkage among Security Indicators and
							Threat Observables
83954262	National		8/8/2014		PCT/US2014/050258	PCT	REPLICATING A WEB
82962843	National		9/19/2012		PCT/US2012/056142	PCT	METADATA TREE OF A PATIENT
07070170	National		£11 £ 12012		DCT/I ISON12/027020	T)	WITH LOCKBOXES
83014403	National		7/30/2012		PCT/IIS2012/03/336	DCT.	GENERATING AND PARTITIONING
							POLYNOMIALS
83035860	National		7/25/2012		PCT/US2012/048119	PCT	DETERMINING APPLICATION VIII NER ABILITIES
							4 CENEIR IDIEITIES

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	PCT/US2012/040764	PCT/IN2012/000535	PCT/US2012/068992		PCT/US2014/039952	PCT/US2012/048350	PCT/US2012/052772	PCT/US2012/046931	PCT/US2014/053106		PCT/US2012/040589		PCT/IN2012/000625	PCT/CN2013/073467	PCT/CN2012/083588	PC1/CN2012/0/9244		PCT/US2012/040505	FC1/US2012/048978		PCT/US2012/040022	PC1/US2012/053212			PCT/US2012/050534	App No.
	PCT	PCT	PCT		PCT	PCT	PCT	PCT	PCT		PCT		PCT	PCT	PCT	PCI	1	PCT	PCI		PCT	PCT			PCT	Country
ONIOADAIABASE	USER-DEFINED LOADING OF DATA	MONITORING FOR MANAGED SERVICES	Data Operation in Shift Register Ring	ENVIRONMENT DEBUGGING SESSIONS	ISOLATING PRODUCTION	APPLICATION SECURITY TESTING	SECURITY SCAN BASED ON DYNAMIC TAINT	WORKFLOW COMPILATION	CROSS-DOMAIN INFORMATION MANAGEMENT	ENVIRONMENT	SHARING INFORMATION ABOUT	Electronic Text Document	Mining Questions Related To An	QUERY FEATURES AND QUESTIONS	Summarization of a document	PROCESSES	LOCATION	MERGING DATA FROM A SOURCE LOCATION INTO A TARGET	DEPLOYMENT INSTRUMENTED FILE	PATTERN DISCOVERY	PARAMETER ADJUSTMENT FOR	GLOBAL FEATURE LIBRARY USEABLE WITH CONTINUOUS DELIVERY	PIPELINE	CONTINUOUS DEPLOYMENT	PERFORMANCE TESTS IN A	App Title

STATE IN A CONVERSATION	PCT	PCT/US2012/057446		9/27/2012		National	83098041
MULTI-CHANNEL CONVERSATION	PCT	PCT/US2012/070567		12/19/2012		National	83098034
SCRIPT FROM VIDEO	FCI	FC1/CINZ013/0/1Z00		1/31/2013		National	00090001
GRID OF FACETED TILES	DCT.	DCT/CN12012/071200		1/21/2012		Niction of	02000651
DISPLAYING INBOX ENTITIES AS A	PCT	PCT/US2012/057133		9/25/2012		National	83098016
REGULATING APPLICATION TASK DEVELOPMENT	PCT	PCT/US2012/066813		11/28/2012		National	83098543
ENVIRONMENTS							
VISUALIZING CONDITIONS OF INFORMATION TECHNOLOGY	PCT	PCT/IN2013/000168		3/18/2013		National	83193884
NETWORK TRAFFIC							
REPORTING MESSAGE IN	PCT	PCT/US2013/020039		1/3/2013		National	83098481
APPLICATION COMPONENT							
THE CLOUD TO PROVIDE AN							
FACTOR ASSOCIATED WITH USING	(6
DETERMINING AT LEAST ONE COST	PCT	PCT/US2012/066808		11/28/2012		National	83098530
ADDRESS NETWORK ISSUES	101	10100201210000		10/10/2012		Mational	00000000
IDENTIFYING REPORTS TO	рСТ	PCT/ITS2012/059544		10/10/2012		National	83097982
Displaying Information Technology	PCT	PCT/US2012/067792		12/4/2012		National	83098489
Anomalous Network Behavior							
Determining Suspected Root Causes of	PCT	PCT/US2012/067787		12/4/2012		National	83098464
EXEXUTABLE CODE							
GENERATING TEST CODE TO TEST	PCT	PCT/CN2013/071072		1/29/2013		National	83098622
application	PC1	FC1/U32012/049003		//31/2012		National	0303/043
PRODUCT RISK PROFILE	PCT	PCT/US2014/048829		7/30/2014		National	83960930
Malicious Activity							
Pattern Consolidation To Identify	PCT	PCT/US2012/049057		7/31/2012		National	83037467
INITIATING A HELP FEATURE	PCT	PCT/US2012/047923		7/24/2012		National	83037747
APPLICATION	PC1	PC1/US2014/048834		//30/2014		National	83960944
DATA STORED IN AN INPUT BLOCK				1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			
FUNCTION TO BE PERFORMED ON	101	10100201207070707		71071-10		Marional	0001000
MANAGING AN ANAI YTIC	PCT	PCT/HS2012/040767	Orant Date	6/4/2012	I atcut 140.	National	83010509
Ann Title	Country	Ann No	Grant Date	Filed Date	Patent No.	Status	Patent III

83148980	83115437	83100792	83096189	83096179	83954880		83097996		05051512	27070707	83097922		83954419			83862030	0010007	83100679	83139128	83106249		83954931		83098419	83098572		83098429		83098633	83099915	Patent ID
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4/16/2013	10/31/2012	10/2/2012	11/30/2012	9/28/2012	7/31/2014		10/31/2012		10/51/2012	10/21/2012	10/31/2012		9/3/2014			4/10/2014	12012	12/7/2012	2/27/2013	10/19/2012		5/28/2014		10/31/2012	11/12/2012		9/21/2012		1/31/2013	11/29/2012	Filed Date
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PCT/US2013/036796	PCT/US2012/062750	PCT/US2012/058422	PCT/US2012/067332	PCT/US2012/057691	PCT/US2014/049061		PCT/US2012/062677		101/032012/002079	DCT/I182012/062679	PCT/US2012/062871		PCT/CN2014/085794			PCT/US2014/033597	101/11/2012/000000	PCT/IN2012/000800	PCT/CN2013/071934	PC1/US2012/061034		PCT/US2014/039703		PCT/US2012/062776	PCT/US2012/064631		PCT/US2012/056596		PCT/US2013/024116	PCT/IB2012/003113	App No.
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CORRELATION SYSTEM	EXECUTING A QUERY HAVING MULTIPLE SET OPERATORS	Security Shield Assembly	Distributed Pattern Discovery	Application Security Testing	REMOTE SESSION INFORMATION BASED ON PROCESS IDENTIFIER	NETWORK	CASE MANAGEMENT USING ACTIVE ENTITIES IN A SOCIAL	RELATING TO A CASE	ON COLLECTING INFORMATION	GENIED ATING AN OUTEDLIT BASED	VISUAL CALL APPARATUS AND METHOD	CLASSIFICATION	SCREEN-IMAGE BASED	SNAPSHOTS	CREATING GENERALIZED	PARTIAL SNAPSHOTS FOR	OF USER RESPONSES TO MEDIA	CREATING MIII TIMODAI ORIECTS	Generating a social circle for a user	Performing A Search Based On Entity- Related Criteria	DETERMINATION	DYNAMIC GRAPHIC ENTITY	SPECIFICATION GENERATION	EXECUTABLE SOFTWARE	ASSIMILATING BUSINESS RULES	CONTINUOUS DEPLOYMENT	MONITOR USABLE WITH	DEBUGGING OF REMOTE SYSTEMS	METHODS AND APPARATUS FOR	Image Analysis	App Title

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Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
83139811	National		1/18/2013		PCT/IN2013/000036	PCT	TASK ASSIGNMENT IN CROWDSOURCING
83139823	National		12/11/2013		PCT/US2013/074281	PCT	Result Aggregation
83139104	National		1/30/2013		PCT/US2013/023740	PCT	ACQUIRING IDENTIFICATION OF AN APPLICATION LIFECYCLE
							MANAGEMENT ENTITY ASSOCIATED WITH SIMILAR CODE
83862078	National		3/28/2014		PCT/US2014/032257	PCT	SYSTEMS AND METHODS FOR
							PROVIDING AN INFORMATION TECHNOLOGY INTERFACE
83954337	National		7/31/2014		PCT/US2014/049024	PCT	DETERMINING APPLICATION
							CHANGE SUCCESS RATINGS
83960507	National		7/29/2014		PCT/CN2014/083218	PCT	EXECUTABLE CODE ABNORMALITY DETECTION
83200391	National		3/15/2013		PCT/US2013/032638	PCT	MAP MATCHING
83209702	National		5/10/2013		PCT/US2013/040524	PCT	TUPLE RECOVERY
83204585	National		7/19/2013		PCT/US2013/051328	PCT	MAP WITH DIFFERENT DEGREES OF OVERLAPPING GEOCODED PIXELS
83138964	National		1/31/2013		PCT/US2013/024200	PCT	DETERMINING TRANSFERABILITY OF A COMPUTING RESOURCE TO A
							CLOUD COMPUTING ENVIRONMENT
83138758	National		1/29/2013		PCT/US2013/023655	PCT	ANALYZING STRUCTURE OF WEB APPLICATION
83138349	National		1/31/2013		PCT/US2013/024067	PCT	SHARING INFORMATION
83138399	National		1/31/2013		PCT/US2013/024029	PCT	TARGETED SECURITY ALERTS
83138576	National		1/31/2013		PCT/US2013/024081	PCT	ERROR DEVELOPER ASSOCIATION
83204568	National		6/19/2013		PCT/RU2013/000520	PCT	DOCUMENT TOPIC IDENTIFICATION
83138713	National		1/28/2013		PCT/US2013/023474	PCT	DISPLAYING REAL-TIME SECURITY EVENTS
83139298	National		1/31/2013		PCT/US2013/024137	PCT	SYNTHETIC HEALTHCARE DATA GENERATION
83961004	National		7/28/2014		PCT/US2014/048341	PCT	SEARCHING RELATIONAL AND GRAPH DATABASES

	2205272	83199554	83205995	83209245	0.01773772	92100573	83205159	83139087			83138178	83132967	00100000	83138826		83138746	83138090	83138619		8326/845	83209777			03139370	Patent ID	חבלבבל ווח
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(DCT.	PCT	PCT	PCT	ICI	TOT	PCT	PCT			PCT	PCT		PCT		PCT	PCI	PCT		PCT	PCT			FCI	Country	
UTILIZING PAST-PREFERENCE PAIRINGS	ENCODED PAYLOADS BRIORITIZING EVENT NOTICES	IDENTIFYING TRANSPORT-LEVEL	SHIELD FOR AN ELECTRONIC DEVICE	DEPENDENCIES BETWEEN FEATURE FLAGS	Provider	SOFT WARE LOCALIZATION	AUTOMATED CONTEXTUAL-BASED	DEFINING A DESIGN PLAN	ANALYSES	DYNAMIC SECURITY SCANS USING	DETERMINING COVERAGE OF	Updating Statistics in Distributed Databases	CONFIDENCE FACTOR	EVENT CORRELATION BASED ON	INTERFACE ELEMENTS BASED ON RULES	PRESENTATION OF USER	ABSTRACT TEST USER CONTROLS	DEPENDENCY MONITORING	OBJECTS	OPERATIONS ON GRAPHICAL	Incrementally Updating Statistics	CONTROL INSTANCE	GRAPHICAL USER INTERFACE	COVERAGE METRICS FOR A	App life	A 17941

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83204648		83822635	83204684	83268917	83205329		83862065	83269996	83209791	83205361	83209175		00201007	83201639	83204705	83204694	83268676	83163754		83269857		83199559			83268654				83204675	Patent ID	
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6/12/2013		4/29/2014	3/28/2013	9/6/2013	4/29/2013		3/27/2014	8/20/2013	5/1/2013	6/27/2013	4/2/2013		712012015	2/28/2013	6/28/2013	6/28/2013	8/28/2013	2/7/2013		8/27/2013		4/3/2013			8/30/2013				6/20/2013	Filed Date	
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PCT/US2013/045416		PCT/US2014/035923	PCT/US2013/034400	PCT/US2013/058415	PCT/US2013/038656		PCT/US2014/032012	PCT/US2013/055693	PCT/US2013/039055	PCT/US2013/048185	PCT/US2013/034995		1.01/08/2015/0/20150	PCT/IIS2013/028156	PCT/US2013/048556	PCT/US2013/048567	PCT/US2013/057002	PCT/US2013/025108		PCT/US2013/056711		PCT/US2013/035164			PCT/US2013/057494				PCT/US2013/046849	App No.	
PCT		PCT	PCT	PCT	PCT		PCT	PCT	PCT	PCT	PCT		101	PCT	PCT	PCT	PCT	PCT		PCT		PCT		,	PCT				PCT	Country	
DISTRIBUTED WORKER-SOURCED	AFFECTING USER EXPERIENCE	CLASSIFYING APPLICATION	Generating a Feature Set	MANAGING A SENSORY FACTOR	RECORDING UNSTRUCTURED EVENTS IN CONTEXT	TICKET ASSIGNMENT	INFORMATION TECHNOLOGY (IT)	PAYMENT UNIFICATION SERVICE	CONTENT CLASSIFICATION	USER INTERFACE CONFORMANCE	Query integration across databases and file systems	VALIDATORS	SETS OF DIFFERENT SIZES TO	PROVIDING CODE CHANGE IOR	HOOK FRAMEWORK	SIMULATING SENSORS	MANAGING A PRESENTATION	Formatting Semi-Structured Data in a Database	CALENDAR CONFLICTS	MANAGEMENT ACTIONS FOR	PRODUCT KNOWLEDGE	EXPLORATION MAPS FOR	BACKGROUND	MOVEMENTS TO PATTERN PROFILE	COMPARING REAL-TIME	SERVICE	OF A FAIR T OF AN EXTERNAL	REPRESENTING A RESPONSE OF AN	GENERATING A FINGERPRINT	App Title	

LEGACY SYSTEM	PCT	PCT/US2013/062530		9/30/2013		National	83268726
COMPARING USER INTERFACES	PCT	PCT/US2013/053062		7/31/2013		National	83270305
Intelligent Auto-Scaling	PCT	PCT/IN2013/000557		9/13/2013		National	83268925
PORTION	101	1 01/002013/0/3200		12/10/2017		TAUCIOHHI	0000000
TAGGING A PROGRAM CODE	TOG	PCT/IIS2013/075288		12/16/2013		National	83508056
DISTRIBUTED PATTERN	PCT	PCT/US2013/056947		8/28/2013		National	83270011
ENGINES							
QUERIES INVOLVING MULTIPLE DATABASES AND EXECUTION	PCT	PCT/US2013/057252		8/29/2013		National	83267799
CONTINUOUS DELIVERY PIPELINE	101	1 01/002013/0/0300		11/15/2015		TAUTIONAL	0.7707410
OF AN EMAIL THREAD	T)	DCT/I182013/070308		11/15/2013		Notional	81709028
DETERMINING TOPIC RELEVANCE	PCT	PCT/US2013/052631		7/30/2013		National	83268563
FAILURE							
ELEMENT VALUE AS A POTENTIAL							
IDENTIFYING A CONFIGURATION	PCT	PCT/US2013/070320		11/15/2013		National	83269400
PLAN ARTIFACT	,						
AN INTERFACE FOR CREATING A	PCT	PCT/US2013/028442		2/28/2013		National	83205310
BUBBLES INCLUDING PIXELS	(, cuta offer	
VISITALIZING TOPICS WITH	PCT	PCT/HS2014/036056		4/30/2014		National	83825623
Domain Knowledge							
Spaces by Selecting Dimensions using Attribute Dissimilar Measure and Expert							
Visual Exploration of High Dimensional	PCT	PCT/US2014/036154		4/30/2014		National	83825639
RECOMMENDATIONS							
MODIFICATION							
APPLICATION MENU	PCT	PCT/US2013/060546		9/19/2013		National	83269947
EVENT MANAGEMENT SYSTEMS	PCT	PCT/US2013/050937		7/17/2013		National	83271704
ANNOTATION				:			
DATABASE TABLE COLUMN	PCT	PCT/US2013/038842		4/30/2013		National	83209046
RULES							
SCHEDITI ING BASED ON A SET OF	. ()			010012010		1 deronar	0000000
CALL HANDLING AND	T.Od	PCT/IIS2013/062535		9/30/2013		National	72889628
Assessing Value Of A Brand Based On	PC1	PC1/IN2013/000398		6/2//2013		National	83206821
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83820339	83825686	83269255	83276819	83267809	83271768	83820385	83820415	83954272	83272304	83271869	83268886	83623445	83820521	83819929	83825764	83268688	83269381	83234153	83268933	Patent ID
National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	Status
																				Patent No.
4/30/2014	4/24/2014	9/12/2013	9/30/2013	6/26/2013	6/24/2013	4/17/2014	5/27/2014	7/31/2014	6/7/2013	6/7/2013	8/28/2013	10/31/2013	4/30/2014	3/31/2014	4/9/2014	6/27/2013	8/30/2013	4/19/2013	9/30/2013	Filed Date
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PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCI	PCT	PCT	PCT	PCT	PCT	PCT	PCT	Country
DEVICE TO ANOTHER	PROTOCOL DETERMINATION	Information Extraction	WITH INJECTED WIDGET CODE	Modifying an Analytic Flow	PROCESSING A DATA FLOW GRAPH OF A HYBRID FLOW	CASCADING STYLE SHEET META LANGUAGE PERFORMANCE	RESPONSE BASED ON BROWSER ENGINE	RANK AGGREGATION BASED ON A MARKOV MODEL	IDENTIFYING LOG MESSAGES	PRIORITIZING LOG MESSAGES	MESSAGE DELIVERY VIA PREFERRED COMMUNICATIONS APPLICATIONS	PATTERNS PATTERNS	PACKET LOGGING	APPLICATION APPLICATION	ACTIVITY IN A LOAD TEST	DEVICE FOR DISPLAYING ELECTRONIC COMMUNICATIONS RECEIVED FROM COMMUNICATIONS SERVICES	CONTEXTUAL SEARCHES FOR DOCUMENTS	Unused Parameters of Application Under Test	TRACING SOURCE CODE FOR END USER MONITORING	App Title

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
83267814	National		6/24/2013		PCT/US2013/047252	PCT	GENERATING A LOGICAL REPRESENTATION FROM A
							PHYSICAL FLOW
83271003	National		9/14/2013		PCT/US2013/059837	PCT	PREDICTING EXECUTION TIMES OF
1						!	CONCURRENT QUERIES
83269440	National		11/27/2013		PCT/US2013/072390	PCT	PRODUCTION SAMPLING FOR DETERMINING CODE COVERAGE
83269930	National		6/24/2013		PCT/US2013/047330	PCT	CONTEXTUAL-BASED
							LOCALIZATION BASED ON MANUAL TESTING
83270321	National		8/28/2013		PCT/CN2013/082433	PCT	TESTING MULTI-THREADED
							APPLICATIONS
83270980	National		9/30/2013		PCT/US2013/062624	PCT	HIERARCHICAL THREAT
83272309	National		7/31/2013		PCT/US2013/053076	PCT	PROVIDING SUBSCRIBER OPTIONS
83272318	National		7/31/2013		PCT/US2013/053067	PCT	CLOUD BASED SERVICE DESIGN INHERITANCE
83832806	National		4/18/2014		PCT/US2014/034709	PCT	PRE-COGNITIVE SECURITY INFORMATION AND EVENT
							MANAGEMENT
83272530	National		10/30/2013		PCT/US2013/067574	PCT	FACILITATING AUTONOMOUS COMPUTING WITHIN A CLOUD
83272583	National		10/30/2013		PCT/US2013/067492	PCT	REALIZED TOPOLOGY SYSTEM
							MANAGEMENT DATABASE
83829928	National		4/29/2014		PCT/US2014/035938	PCT	RELATING USER ACTION FLOWS BY STORING RELATIONSHIPS
							BETWEEN THREADS AND OBJECTS
83273120	National		10/30/2013		PCT/US2013/067439	PCT	MODIFYING REALIZED TOPOLOGIES
83272324	National		9/4/2013		PCT/US2013/058014	PCT	PROVIDING RESOURCES TO CUSTOMERS VIA NODE-
83272340	National		9/4/2013		PCT/US2013/058036	PCT	PROVIDING RECURSIVELY-
							GENERATED INSTANTIATED
							MULTI-TENANT ENVIRONMENT

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83776611	83598222	83640297	83820225	83598092	83584495	83623479	83663286	83820236	83820251	83833343	83820273	83271690	83278298	83602913	03212313	Patent ID	;
National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	National	Status National	2
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6/12/2014	12/16/2013	10/30/2013	4/10/2014	12/3/2013	12/13/2013	10/15/2013	10/23/2013	5/15/2014	6/9/2014	7/18/2014	5/30/2014	7/12/2013	7/31/2013	1/29/2014	7/4/2013	Filed Date	1121
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PCT/CN2014/079747	PCT/US2013/075344	PCT/US2013/067547	PCT/US2014/033600	PCT/US2013/072725	PCT/US2013/075016	PCT/US2013/064934	PCT/US2013/066417	PCT/US2014/038055	PCT/US2014/041454	PCT/US2014/047161	PCT/US2014/040392	PCT/US2013/050331	PCT/US2013/052983	PCT/US2014/013600	1 C1/ 032013/030040	App No.	
PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT	PCT		Country	<u>.</u>
RECOMMENDING OF AN ITEM TO A USER	DETERMINING PREFERRED COMMUNICATION EXPLANATIONS USING RECORD-RELEVANCY TIERS	DETERMINING AGGREGATION INFORMATION	GENERALIZED SNAPSHOTS BASED ON MULTIPLE PARTIAL SNAPSHOTS	CODE ROUTINE PERFORMANCE PREDICTION USING TEST RESULTS FROM CODE INTEGRATION TOOL	DATA STREAM PROCESSING BASED ON A BOUNDARY PARAMETER	ANALYZING A PARALLEL DATA STREAM USING A SLIDING FREQUENT PATTERN TREE	Tracking a Status of a Process	MEASURING USER INTERFACE RESPONSIVENESS	MEASURING COMPATIBILITY OF VIEWERS BY LEVERAGING USER-PROVIDED ELEMENT DEFINITIONS	DETERMINING TERMS FOR SECURITY TEST	EVALUATING USER EXPERIENCE	ANALYZING TARGET SOFTWARE FOR SECURITY VULNERABILITIES	SIGNAL TOKENS INDICATIVE OF MALWARE	AUTOMATE ISSUE TRACKING	PROVISION OF BUILDING BLOCKS	App Title	

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83598066	National	I atent No.	12/17/2013	OI allt Date	PCT/US2013/075651	PCT	ABSTRACTION LAYER BETWEEN A
							DATABASE QUERY ENGINE AND A
83508111	National		12/5/2013		PCT/IIS2013/073249	PCT	REGIII AR EXPRESSION MATCHING
83598239	National		2/19/2014		PCT/US2014/017160	PCT	ROLE BASED ASSESSMENT FOR AN
							IT MANAGEMENT SYSTEM
83822574	National		4/29/2014		PCT/US2014/035913	PCT	MONITORING APPLICATION FLOW
							OF APPLICATIONS USING A REGULAR OR EXTENDED MODE
83623523	National		11/27/2013		PCT/CN2013/087963	PCT	Relationship Extraction
83598071	National		12/19/2013		PCT/US2013/076538	PCT	RESIDUAL DATA IDENTIFICATION
83833327	National		5/20/2014		PCT/US2014/038848	PCT	POINT-WISE PROTECTION OF
							APPLICATION USING RUNTIME AGENT
83598244	National		11/18/2013		PCT/US2013/070588	PCT	EVENT-DRIVEN AUTOMATION
83508740	National		11/26/2013		PCT/ITS2013/071843	PCT	RECOMMENDING APPLICATION
							MODIFICATIONS USING IMAGE AREA COUNTS
83623557	National		10/9/2013		PCT/US2013/063978	PCT	DISPLAYING MULTIVARIATE DATA
							IN MULTIPLE DIMENSIONS
83825665	National		4/22/2014		PCT/US2014/034931	PCT	FLOW AUTOCOMPLETE
83824766	National		5/22/2014		PCT/US2014/039150	PCT	USER DEFINED FUNCTION, CLASS CREATION FOR EXTERNAL DATA
							SOURCEACCESS
83618644	National		12/14/2013		PCT/US2013/075194	PCT	Log Analysis Based on User Activity
09555958	National		10/20/2013		PCT/ITS2013/067202	PCT	PROVIDING INFORMATION
1 1 1			1			- 4 -	TECHNOLOGY SUPPORT
83828054	National		4/30/2014		PCT/CN2014/076604	PCT	PERFORMING A MIRROR TEST FOR LOCALIZATION TESTING
83826107	National		6/25/2014		PCT/US2014/044065	PCT	DOCUMENTATION NOTIFICATION
83623590	National		10/31/2013		PCT/US2013/067679	PCT	DATA PROCESSING SYSTEM
							INCLUDING A SEARCH ENGINE
83598081	National		12/19/2013		PCT/US2013/076477	PCT	HYBRID FLOWS CONTAINING A CONTINOUS FLOW
83618635	National		2/11/2014		PCT/US2014/015694	PCT	CLIENT APPLICATION PROFILING

83748649	83618392	83663231	83833297		83833988		83640421	83833250	83663155	83598207	83640405		83822125	83640313	83640333	83663095	83640415	83640410	84026850	83814306		83598261		83623595	000/0201	83598254	,
National	National	National	National		National		National	National	National	National	National		National	National	National	National	National	National	National	National		National		National	TAURTOHUL	Status National	2
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1/31/2014	8/27/2013	10/31/2013	6/19/2014		3/20/2014		10/29/2013	3/24/2014	10/29/2013	2/20/2014	10/30/2013		3/28/2014	10/30/2013	10/31/2013	10/30/2013	10/30/2013	10/30/2013	8/15/2014	2/14/2014		1/21/2014		10/31/2013	110012011	1/30/2014	
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PCT/US2014/014237	PCT/US2013/056828	PCT/US2013/067790	PCT/US2014/043074		FC1/US2014/038834		PCT/US2013/067208	PC1/US2014/031569	PCT/US2013/067199	PC1/US2014/01/294	PCT/US2013/067488		PCT/US2014/032133	PCT/US2013/067556	PCT/US2013/067741	PCT/US2013/067480	PCT/US2013/067517	PC1/US2013/06/539	PCT/US2014/051192	PCT/US2014/016393		PCT/US2014/012250		PCT/US2013/067773	10110020111010000	App No. PCT/HS2014/013835	N4
PCT	PCT	PCT	PCT		PC1		PCT	PCI	PCT	PCI	PCT		PCT	PCT	PCT	PCT	PCT	PCI	PCT	PCT		PCT		PCT	101	PCT	<u> </u>
BUSINESS PROCESS MANAGMENT	DETERMINING MALWARE BASED ON SIGNAL TOKENS	DETERMINING MODEL QUALITY	INSTALL RUNTIME AGENT FORSECURITY TEST	AGENT AND DYNAMIC SECURITY ANALYSIS	APPLICATION USING RUNTIME	TO IDENTIFY INFORMATION GAPS	END USER TREND IDENTIFICATION	AUTHENTICATION INFORMATION	HIERARCHICAL SERVICE TREES	SPATIAL GESTURES	SOFTWARE COMMIT RISK LEVEL	ANALYSIS OF QUERY EXECUTION	REAL-TIME MONITORING AND	Event Log Analysis	Treemap Optimization	RECORDING AN APPLICATION TEST	TECHNOLOGY RECOMMENDATION FOR SOFTWARE ENVIRONMENT	PARAMETER SUGGESTION BASED ON USER ACTIVITY	MANAGING DATABASE NODES	MODIFYING A HIERARCHAL STRUCTURE	Infrastructure	Automatically Discovering Topology Of An Information Technology (IT)	SEARCH QUERY	STORING TIME SERIES DATA FOR A	EFFICIENCY	App Title EVALUATING USER INTERFACE	_ ,

83776625	83734881	83734876		83734871	83776635		83822276	83765168	83748079		83776619	83/65162			83833264		83747145		00/700/0	277/2572	83747150		83776281		83748127	83635363	83663145		83593465	Patent ID
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PCT/US2014/013531	PCT/US2013/076784	PCT/US2013/076779		PCT/US2013/076796	PCT/US2014/013500		PCT/US2014/035547	PCT/US2014/034590	PCT/US2014/019262		PCT/US2014/013773	PCT/US2014/0T/613			PCT/US2014/034888		PCT/US2014/022879		1 C1/002017/072111	DCT/I (\$2014/042111	PCT/US2014/032336		PCT/US2014/014232		PCT/IJS2014/013113	PCT/CN2013/086289	PCT/US2013/067485		PCT/US2014/029046	App No.
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FORCE FEEDBACK	Discarding Data Points in a Time Series	WORKLOAD THAT MAY BE ASSOCIATED WITH A DEVIATION	a Level of Execution	Generating a Visualization of a Metric at	PREDICTIVE ANALYTICS UTILIZING REAL TIME EVENTS	ENVIRONMENT	DATA MANAGEMENT IN A	RATING THREAT SUBMITTER	ALLOCATING COSTS OF SHARED RESOURCES	DATA STREAMS	OPTIMIZING WINDOW JOINS OVER	SCORING FOR THREATOBSERVABLES	OBJECT MODEL TREE	FRAGMENT OF A DOCUMENT	IDENTIFYING A FUNCTIONAL	FUNCTIONS	PARALLELIZING SQL USER DEFINED TRANSFORMATION	RECOMMENDATIONS	DEPLOYMENT	DETERMINING ARRITON	PARALLELIZING SQL ON	TUTORIALS	USER INTERFACE LEVEL	REUSABLE CONTEXT AWARE JOBS	CONTINUOUS INTEGRATION WITH	PRE-POPULATING A FORM	PROCESS MODEL CATALOG	COMPRESSION	COLUMN STORE DATABASE	App Title

84261405	84266554	84262732	84260034		84251784	90035331	20010100	90015758	90129518	00,0400,	83734857	83734845	83820944		83826072		83820095	83765180			83765174	83747155		83776671	Patent ID
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PCT	PCT	PCT	PCI		PCT	PCT	()	PCT	PCT	3	PCT.	PCT	PCT		PCT		PCT	PCT			PCT	PCT		PCT	Country
STAGED APPLICATION ROLLOUT	APPLICATION LAUNCH STATE DETERMINATION	Component Profile Display	MAXIMIZATION IN SOCIAL NETWORKS	PLATFORM	ALERTS FOR COMMUNITIES OF A SECURITY INFORMATION SHARING	APPLICATION SESSION ANALYSIS AND RECOMMENDATION SYSTEM	PROJECTION	OHERY PATH WITH AGGREGATE	DIMENSION DATA INSERTION INTO A DIMENSION TABLE	ACROSS MULTIPLE JOINS	TRANSITIVE I OCAL PREDICATES	FLEXIBLE SCHEMA TABLE	DISTRIBUTED COMPILATION OF STATICALLY TYPED LANGUAGES	Server	Using A Single Deployer Agent To Deploy A Plurality Of Programs On A	SCORES	DETERMINING CODE COMPLEXITY	APPLICATION TEST USING ATTACKSUGGESTIONS	PARAMETER MODEL	FRAMEWORK USING LOCAL	ANALYZE CODE THAT USES WEB	Generating A Model Based on Input	EVENT METRIC FLUCTUATION	PIXEL-BASED VISUALIZATION OF	App Title
	Published 7/9/2015 PCT/US2015/039775 PCT	Published 7/28/2015 PCT/US2015/042375 PCT Published 7/9/2015 PCT/US2015/039775 PCT Published 7/9/2015 PCT/US2015/039775 PCT	Published 7/28/2015 PCT/US2015/042534 PCT Published 7/28/2015 PCT/US2015/042375 PCT Published 7/9/2015 PCT/US2015/039775 PCT Published 7/9/2015 PCT/US2015/039775 PCT	Published 8/6/2015 PCI/US2015/043932 PCT Published 7/28/2015 PCT/US2015/042534 PCT Published 7/28/2015 PCT/US2015/042375 PCT Published 7/9/2015 PCT/US2015/039775 PCT Published 7/9/2015 PCT/US2015/039775 PCT	Published 8/6/2015 PCT/US2015/043932 PCT Published 7/28/2015 PCT/US2015/042534 PCT Published 7/28/2015 PCT/US2015/042375 PCT Published 7/9/2015 PCT/US2015/039775 PCT Published 7/9/2015 PCT/US2015/039775 PCT	Published 6/26/2015 PCT/US2015/038139 PCT Published 8/6/2015 PCT/US2015/043932 PCT Published 7/28/2015 PCT/US2015/042534 PCT Published 7/28/2015 PCT/US2015/042375 PCT Published 7/9/2015 PCT/US2015/039775 PCT Published 7/9/2015 PCT/US2015/039775 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84171278	84171536	84172491	84170490	84170481	84171421		84170084	84265090		84171286			84193887	84262838	84195045	84193891	84261516	012/151/	84262900	84262921		84262884		84265156	84228721			90078175	Patent ID
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PCT	PCT	PCT	PCT	PCT	PCT	,	PCT	PCT		PCT			PCT	PCT	PCT	PCT	PCT		PCT	PCT		PCT		PCT	PCT			PCT	Country
Monitoring Application Operations Using User Interaction Times	UPDATING INFERENCE GRAPH ABSENT NODE LOCKING	DYNAMIC FUNCTION INVOCATION	PENETRATION DETECTION BOUNDARY HAVING A HEAT SINK	INHIBITING A PENETRATION ATTACK	INHIBITING ELECTROMAGNETIC FIELD-BASED EAVESDROPPING	Attack	Physical Barrier To Inhibit A Penetration	CONTEXT ORIENTED TRANSLATION	EVENTS USING CALL STACKS	CLASSIFICATION OF APPLICATION	UNSTRUCTURED DATABASE	DATARASE AND AN	ANALYSIS OF INFORMATION IN A	METRIC CORRELATION	SUGGESTIONS FOR DIGITAL FORMS	STANDARDIZED CUSTOM SURVEYS	SOCIAL INFLUENCE DETERMINATION	WIRELESS-ENABLED DEVICE	DETERMINING LOCATION OF	POINTING ACTION	TASKS BASED ON SIMILARITY OF DATASETS	RECOMMENDING ANALYTIC	VIRTUAL REALITY	TESTING APPLICATIONS USING	SECURITY INDICATOR SCORES	LIFECYCLE STAGE	DEPLOYMENT BASED ON	CONTROLLING APPLICATION	App Title

04113049	84112999	84170421	84172731		841/14/0	84217863		84170314	84173234	84171446	011/110	84171410		84141071		84171466					84171489		84261475	i i	84177881	841/2883	84171463	84172889	041/1200	84171750	84172893		84173238	Patent ID
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FC1	PCT	PCT	PCT		PCT	PCT	!	PCT	PCT	PCT	101	PCT		PCT		PCT					PCT		PCT		PCT	FC1	PCI	PCI	101	PCT.	PCT		PCT	Country
DATA ELEMENTS	Automatically Rerunning Test Executions	CODE COVERAGE INFORMATION	TREND CORRELATIONS	OBJECT	DATABASE COMPARISON OPERATION TO IDENTIFY AN	APPLICATION TESTING	COMMIT HISTORY	DEPENDENCY RANK BASED ON	DETECTING TRANSITIONS	IDENTIFYING GROUPS	OUTLIERS IN MULTIVARIATE DATA	ALITOMATIC DETECTION OF	INJECTION ATTACKS	PROTECTION AGAINST DATABASE	DATABASE STATISTIC	INCREMENTALLY UPDATING A	ACTIVITY	ASSOCIATED WITH ILLEGAL	FINANCIAL ACCOUNT SCENARIO IS	DETERMINE LIKELIHOOD THAT	USING FUZZY INFERENCE TO	DETECTION	SECURITY VULNERABILITY	ACTIONS	DETERMINING POTENTIAL TEST	DETERMENTING IDLE TESTING	HIDDEN DINAMIC SISIEMS	SELECTIVE APPLICATION TESTING	Consolidated Metadata III Patabases	Consolidated Metadata In Databases	COMPOSING FUTURE TESTS	APPLICATION CRASHES	DETERMINING SEVERITY OF	App Title

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84113113	Published		1/30/2015		PCT/US2015/013900	PCT	COLLABORATIVE SECURITY LISTS
84113095	Published		1/30/2015		PCT/US2015/013885	PCT	COLLABRATIVE INVESTIGATION
84113360	Published		3/31/2015		PCT/US2015/023491	PCT	Inferring a Network Topology
84114522	Published		1/22/2015		PCT/US2015/012356	PCT	SESSION KEY REPOSITORY
84113352	Published		4/30/2015		PCT/US2015/028587	PCT	AGGREGATION BASED EVENT IDENTIFICATION
84115646	Published		3/20/2015		PCT/US2015/021856	PCT	BASE USER DEFINED FUNCTIONS
84115837	Published		1/30/2015		PCT/US2015/013897	PCT	UPDATES TO A PREDICTION
							MODEL USING STATISTICAL ANALYSISGROUPS
84113373	Published		2/23/2015		PCT/US2015/017016	PCT	NAVIGATION MENU BASED ON CROWD DATA
84113344	Published		2/26/2015		PCT/US2015/017765	PCT	OBTAINING TRANSLATIONS
							SUBJECT APPLICATION DISPLAYS
84113369	Published		1/22/2015		PCT/US2015/012455	PCT	IN-LINE EDITOR INSERTION
84114602	Published		2/12/2015		PCT/US2015/015562	PCT	APPLYING A DEGREE OF
84113323	Published		12/22/2014		PCT/ITS2014/071834	PCT	IDENTIFICATION OF APPLICATION
							MESSAGE TYPES
84111467	Published		12/23/2014		PCT/US2014/072029	PCT	SIMULATION OF A SYNCHRONIZATION OF RECORDS
84113065	Published		12/1/2014		PCT/US2014/067879	PCT	STATUSES OF EXIT CRITERIA
84113311	Published		1/28/2015		PCT/US2015/013250	PCT	PRODUCT PORTFOLIO
84113043	Published		12/23/2014		PCT/US2014/072061	PCT	LOAD TESTING
84084163	Published		12/11/2014		PCT/US2014/069753	PCT	DETERMINING TERM SCORES
							BASED ON A MODIFIED INVERSE DOMAIN FREQUENCY
84113307	Published		1/22/2015		PCT/US2015/012371	PCT	INDEX WEIGHT CALCULATOR
84115684	Published		4/30/2015		PCT/EP2015/059583	PCT	ACCURACY SCORE BASED ON
84113260	Published		12/5/2014		PCT/CN2014/093088	PCT	MENU DISPLAY CONTROL
84114505	Published		1/29/2015		PCT/US2015/013443	PCT	APPLICATION UPDATES

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84030926	Published	I alche 140.	1/12/2015	Orant Date	PCT/US2015/010972	PCT	DATA COMPARISON
84031132	Published		10/27/2014		PCT/US2014/062407	PCT	KEY SPLITTING
84030853	Published		11/24/2014		PCT/US2014/067067	PCT	APPLICATION MANAGEMENT BASED ON DATA CORRELATIONS
84032983	Published		11/26/2014		PCT/US2014/067658	PCT	DETERMINE VULNERABILITY USING RUNTIME AGENT AND NETWORK SNIFFER
84030878	Published		12/4/2014		PCT/US2014/068600	PCT	GROUPING EVENT REPORTS
84029886	Published		1/29/2015		PCT/US2015/013565	PCT	APPLYING RULES TO A DEVICE FROM A SERVICE DETECTED BY THE DEVICE
84030533	Published		1/29/2015		PCT/US2015/013465	PCT	DEFECT REPORTING IN APPLICATION TESTING
84031504	Published		12/17/2014		PCT/US2014/070817	PCT	EVALUATING PERFORMANCE OF APPLICATIONS UTILIZING USER EMOTIONAL STATE PENALTIES
84036616	Published		12/12/2014		PCT/CN2014/093670	PCT	SCALABLE WEB DATA EXTRACTION
84031288	Published		1/5/2015		PCT/US2015/010164	PCT	MULTI-TENANT UPGRADING
84030865	Published		12/22/2014		PCT/US2014/071795	PCT	EXECUTION OF INTERACTION FLOWS
84031388	Published		10/30/2014		PCT/US2014/063106	PCT	RESOURCE CONSUMING TASKS SCHEDULER
84030080	Published		11/17/2014		PCT/US2014/065916	PCT	LINKING AN ENTITY RELATING TO PRODUCT DEVELOPMENT TO A DOCUMENT PORTION
84031480	Published		9/30/2014		PCT/US2014/058174	PCT	METRICS AUTHORIZATION BASED ON A CERTIFICATE
84031429	Published		9/25/2014		PCT/US2014/057544	PCT	A REPORT COMPRISING A MASKED VALUE
83961783	Published		9/30/2014		PCT/US2014/058330	PCT	TOPOLOGY BASED MANAGEMENT WITH STAGE AND VERSION POLICIES
83961778	Published		9/30/2014		PCT/US2014/058343	PCT	TOPOLOGY BASED MANAGEMENT OF SECOND DAY OPERATIONS
83954297	Published		12/11/2014		PCT/US2014/069745	PCT	INTERACTIVE DETECTION OF SYSTEM ANOMALIES

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Patent ID 83954373	Status Published	Patent No.	Filed Date 9/24/2014	Grant Date	App No. PCT/US2014/057142	PCT PCT	INFRASTRUCTURE RULE
							GENERATION
83954915	Published		8/29/2014		PCT/US2014/053444	PCT	STATIC PROGRAM ANALYSIS IN AN OBJECT-RELATIONAL MAPPING
83954353	Published		9/30/2014		PCT/US2014/058224	PCT	STRING PROPERTY LABELS FOR STATIC ANALYSIS
83952454	Published		9/4/2014		PCT/US2014/053992	PCT	DETERMINE PROTECTIVE MEASURE FOR DATA THAT MEETS CRITERIA
83952467	Published		9/25/2014		PCT/US2014/057419	PCT	DETERMINE SECURE ACTIVITY OF APPLICATION UNDER TEST
83954414	Published		9/30/2014		PCT/US2014/058301	PCT	EVALUATING DOCUMENTATION COVERAGE
83954302	Published		11/26/2014		PCT/US2014/067519	PCT	DETERMINING TEST APPLICATION EFFECTIVENESS
90181470	Application		6/8/2012		718276	NZ	PATIENT INFORMATION INTERFACE
82579549	Granted	577198	12/28/2007	3/30/2012	577198	ZN	Storing Log Data Efficiently While Supporting Querying To Assist in Computer Network Security
82579374	Granted	574567	10/25/2007	5/25/2012	574567	NZ	Tracking Changing State Data To Assist In Computer Network Security
82579305	Granted	550752	5/4/2005	1/7/2010	550752	NZ	Pattern Discovery In A Network Security System
83784122	Abandoned		10/20/2011		10-2014-7006262	KR	SYSTEMS AND METHODS FOR EVALUATION OF EVENTS BASED ON A REFERENCE BASELINE ACCORDING TO TEMPORAL POSITION IN A SEQUENCE OF EVENTS
82579548	Granted	10-1451640	12/28/2007	10/10/2014	2009-7011683	KR	Storing Log Data Efficiently While Supporting Querying To Assist in Computer Network Security
82579392	Granted	10-1497610	10/25/2007	2/24/2015	2009-7004992	KR	Real-Time Identification Of An Asset Model And Categorization Of An Asset To Assist In Computer Network Security
82579373	Granted	10-1519936	10/25/2007	5/7/2015	2009-7004991	KR	Tracking Changing State Data To Assist In Computer Network Security

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title Meroing Multi-Line Log Entries
82579304	Granted	10-1007899-0000	5/4/2005	1/6/2011	10-2006-7025550	KR	Pattern Discovery In A Network Security System
82581170	Granted	10-1150653	5/12/2005	5/21/2012	2006-7025455	KR	APPARATUS AND METHOD FOR DEVELOPING, TESTING AND MONITORING SECURE SOFTWARE
83165236	Granted	10-1674249	7/22/2010	11/2/2016	2013-7004358	KR	Context-based Item Bookmarking
83784001	Published		7/12/2011		10-2014-7003567	KR	AUDIO SAMPLE
83721332	Published		5/31/2011		2013-7031852	KR	AUTOMATED SECURITY TESTING
83714218	Published		5/31/2011		2013-7031661	KR	APPLICATION SECURITY TESTING
84162683	Published		8/29/2012		2015-7006785	KR	SECURITY SCAN BASED ON DYNAMIC TAINT
84182216	Published		9/28/2012		2015-7009868	KR	Application Security Testing
83933616	Withdrawn		10/31/2011		10-2014-7014481	KR	EMAIL TAGS
83933610	Abandoned		10/31/2011		2014-539911	JP	EMAIL TAGS
84182212	Abandoned		9/28/2012		2015-534445	JP	Application Security Testing
82579547	Granted	5357777	12/28/2007	9/6/2013	2009544284	JP	Storing Log Data Efficiently While Supporting Querying To Assist in Computer Network Security
82581180	Granted	4997242	8/25/2006	5/18/2012	2008-528245	JP	Apparatus and method for analyzing and supplementing a program to provide security
82581169	Granted	4789933	5/12/2005	7/29/2011	2007-515157	JP	APPARATUS AND METHOD FOR DEVELOPING, TESTING AND MONITORING SECURE SOFTWARE
82580856	Granted	5148607	6/29/2007	12/7/2012	2009-518568	JP	STANDARD OPERATING PROCEDURE AUTOMATION IN DATABASE ADMINISTRATION
82215818	Granted	4945633	4/20/2007	3/9/2012	2009-507743	JP	Dynamic Data Navigation
82226249 82244426	Granted Granted	5118438 5313336	10/26/2007	10/26/2012 7/12/2013	2007-278297	JP P	Improving Computer Networks Method And System Of Testing Software
02175777	Cranto d	500010	7/2/2000	2/12/2015	2011-201327	3	Using Real Time Replication
83165234	Granted	5696213	7/22/2010	2/13/2015	2013-520695	₽ P	Context-based Item Bookmarking
90041019	Granted	5978368	5/31/2011	7/29/2016	2015-166360	JP F	APPLICATION SECURITY TESTING

90257688	90065900	90022823	84237777	84274039	84078890	84208491	84162976	84162679	84164259	84164192	84163282	83784117	Patent ID
Abandoned Application	Published	Published	Published	Published	Published	Published	Published	Granted	Granted	Granted	Granted	Granted	Status
								5982575	5948503	6069614	6064195	5941149	Patent No.
10/28/2016	3/28/2013	7/31/2015	10/31/2012	12/4/2012	6/8/2012	9/30/2012	8/30/2012	8/29/2012	9/19/2012	9/12/2012	9/12/2012	10/20/2011	Filed Date
								8/5/2016	6/10/2016	1/13/2017	1/6/2017	5/27/2016	Grant Date
3089/CHENP/2015 201641037160	2016-505442	2015-555978	2015-540645	2015-546428	2015-510243	2015-534449	2015-527433	2015-529767	2015-527437	2015-527436	2015-527435	2014-529695	App No.
ZZ	JP	JP	JP	JP	JP	JP	JP	JP	JP	JP	JP	JP	Country
FORWARDING SERVICE REQUESTS FROM OUTBOUND PROXY SERVERS TO REMOTE SERVERS INSIDE OF FIREWALLS	SHIELD FOR AN ELECTRONIC DEVICE	DETERMINING TRANSFERABILITY OF A COMPUTING RESOURCE TO A CLOUD COMPUTING ENVIRONMENT	Patient oriented hospital care approach and system	Displaying Information Technology Conditions with Heat Maps	PATIENT INFORMATION INTERFACE	ELECTRONIC HEALTH RECORD SYSTEM WITH CUSTOMIZABLECOMPLIANCE POLICIES	RECORDS ENCRYPTED DATA STORE FOR	DYNAMIC TAINT	METADATA TREE OF A PATIENT WITH LOCKBOXES	METADATA TREE WITH KEY ROTATION INFORMATION	VALIDATING A METADATA TREE USING A METADATA INTEGRITY VALIDATOR	SYSTEMS AND METHODS FOR EVALUATION OF EVENTS BASED ON A REFERENCE BASELINE ACCORDING TO TEMPORAL POSITION IN A SEQUENCE OF EVENTS	App Title

	82258967	82250651	02300037	7500057	82691759	82215824	0000010	83958175	84312961		83012334	00001000	83991660	83165232	82263956	82578994		0.000	84262880	90040546		90041340	70070250	90040238	7010000	90108685		90206007			90286566	Patent ID
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						267451																										Patent No.
	9/15/2009	7/13/2009	12/30/2008	12/20/2000	9/4/2009	4/20/2007		9/26/2014	1/18/2013		9/27/2012	1.00110	4/30/2012	7/22/2010	9/18/2010	6/13/2008			6/24/2015	10/30/2015		10/28/2015	1177/7/2010	11/4/2015	1010	2/24/2016		5/18/2016			10/25/2016	Filed Date
						7/20/2015																										Grant Date
	2231/CHE/2009	1654/CHE/2009	107/0/DELNE/2000	10776/DEI ND/2000	2387/DELNP/2011	5735/CHENP/2008	TO DE CARDI DO L	4752/CHE/2014	6275/DELNP/2015		4015/CHE/2012	2071/CILLIA 11/2011	5391/CHENP/2014	326/CHENP/2013	2736/CHE/2010	8059/CHENP/2010		OT 1 II CIRLING TO 10	3171/CHE/2015	5893/CHE/2015		5821/CHE/2015	37121C11112013	5072/CHE/2015	FO10 11000 170	201641006473		201641017163			201641036608	App No.
	Z	N	Þ		N	IN	-	Z	夕		N		Z	Z	N	IN		ļ	N	Z		Z	Ę	Z	ļ	N		N			IN	Country
Agentless Monitoring	Automatic Selection Of Agent-based Or	Method And System For Verifying Data Accuracy	PROCEDURE AUTOMATION IN DATABASE ADMINISTRATION	Supporting Querying STANDARD OPERATING	Storing Log Data Efficiently While	Dynamic Data Navigation	EFFECTIVENESS	DETERMINING TEST APPLICATION	TASK ASSIGNMENT IN CROWDSOURCING	Information Technology Components	Managing Compliance Across	MANAGEMENT	AUTOMATED EVENT	Context-hased Item Bookmarking	SEARCHING DOCUMENT IMAGES	Hierarchical Policy Management	LIFECYCLE STAGE	DEPLOYMENT BASED ON	CONTROLLING APPLICATION	VERIFICATION OF DEPLOYMENT COMPONENTS	APPLICATION PLATFORMS	DEPLOYING APPLICATIONS ON	A DIMENSION TABLE	DIMENSION DATA INSERTION INTO	WITH REDITCED DOWNTIME	STRUCTURED DATA ARCHIVAL	FOR COMPLIANCE	SCANNING INFORMATION	STATEMENTS	NATURAL LANGUAGE	WORKFLOW GENERATION FROM	App Title

83247591	82802870	90283002	83009784	81995789	84081218	84088604	82947668	82579353	82579370	82579301		82579389	82579545	82116887	82750799	82262441	82262432	Patent ID
Granted	Granted	Granted	Granted	Granted	Application	Application	Abandoned	Published	Published	Granted		Granted	Application	Granted	Published	Published	Published	Status
0950302	1411703	1244251	1249965	2415530						1096794		1129758		130239				Patent No.
12/8/1997	10/11/2003	3/23/2001	3/26/2001	6/20/2002	7/31/2012	4/23/2012	8/30/2011	1/20/2009	9/25/2009	5/4/2005		9/28/2009	12/28/2007	12/8/1997	5/27/2011	6/23/2010	4/30/2010	Filed Date
5/8/2013	8/3/2011	10/26/2016	5/30/2012	2/15/2006						7/30/2010		4/5/2013		2/24/2004				Grant Date
97953075.5	03256431.2	01107261.8	01107514.0	0518974.1	1418807.2	1419222.3	1114879.8	09100576.3	09108891.4	07104042.3		09108915.6	101011708	130239	1805/CHE/2011	1773/CHE/2010	1210/CHE/2010	App No.
GB	GB	GB	GB	GB	GB	GB	GB	HK	HK	HK		HK	Ħ Ħ	F	Z	N	N	Country
PUBLIC KEY CRYPTOGRAPHIC APPARATUS AND METHOD	Propagation Of Viruses Through An Information Technology Network	Method, Computer System And Computer Program For Monitoring Services Of An Information Technology Environment	Method, Computer System, And Computer Program For Monitoring Objects Of An Information Technology Environment	System And Method For File System Mandatory Access Control	Concept Categorization	STATISTICAL ANALYSIS USING A GRAPHICS PROCESSING UNIT	AUTOMATED PARSING OF E-MAIL MESSAGES	Merging Multi-Line Log Entries	Tracking Changing State Data To Assist In Computer Network Security	Pattern Discovery In A Network Security System	To Assist In Computer Network Security	Real-Time Identification Of An Asset	Storing Log Data Efficiently While Supporting Querying To Assist in Computer Network Security	APPARATUS AND METHOD	GUIDING AN IMAGE-BASED TASK EXECUTION	Testing Compatibility Of A Computer Application	MANAGING EXCLUSIVE ACCESS TO SYSTEM RESOURCES	App Title

Patent ID	Status	Patent No	Filed Date	Crant Date	Ann No	Country	Ann Title
82169192	Granted	2401281	4/29/2003	2/8/2006	0309856.3	GB	Propagation Of Virus Through An
							Information Technology Network
82169198	Granted	2401280	4/29/2003	2/8/2006	0309844.9	GB	Propagation Of Virus Through An
							Information Technology Network
82171331	Granted	2400526	4/8/2003	12/21/2005	0308073.6	GB	Key History Tree: Efficient Shared-key
							Management with Oil-line Group Members
82212608	Granted	2431321	10/12/2005	6/9/2010	0520712.1	GB	PROPAGATION OF MALICIOUS
							CODE THROUGH AN INFORMATION
							TECHNOLOGY NETWORK
82212632	Granted	2431316	10/12/2005	5/21/2008	0520711.3	GB	PROPAGATION OF MALICIOUS
							CODE THROUGH AN INFORMATION TECHNOLOGY NETWORK
82233224	Granted	1279100	4/3/2001	6/16/2004	01926566.9	GВ	USE OF A SINGLE THREAT TO
							SUPPORT MULTIPLE NETWORK
							CONNECTIONS FOR SERVER LOAD
							TESTING
83120022	Granted	2361465	10/15/2008	8/29/2012	08875183.9	GB	Retrieving Configuration Records From A
							Configuration Management Database
90283012	Granted	2691858	3/30/2011	10/26/2016	11862280.2	GB	TIME FRAME BASED DATA
							ANALYSIS
82061654	Granted	2357229	12/8/1999	3/17/2004	9929034.8	GB	Security Protocol
82276991	Granted	1369766	6/4/2003	1/2/2008	03253538.7	GB	Propagation Of Viruses Through An
							Information Technology Network
82069094	Granted	2346229	1/29/1999	4/30/2003	9901857.4	GB	Web Usage
82584178	Published					GB	Hierarchical Policy Management
84079680	Published		7/30/2012		1418806.4	GB	GENERATING AND PARTITIONING
							POLYNOMIALS
84116406	Published		6/1/2012		1423391.0	GB	SHARING INFORMATION ABOUT
							RESOURCES IN A COLLABORATIVE
							ENVIRONMENT
83009775	Granted	1249965	3/26/2001	5/30/2012	01107514.0	FR	Method, Computer System, And
							Computer Program For Monitoring
							Objects Of An Information Technology
							Environment

	83816832	82837116	830031/1	62//2171	05104707	83184707			83196413	83185168			83136080	82202501			82581179		82276988		90283008		83120016			82233221		82802866				90282990	Patent ID
	Abandoned	Abandoned	Abandoned	A1	Aballabilea	Ahandanad			Abandoned	Abandoned			Abandoned	Abandoned			Abandoned		Granted		Granted		Granted			Granted		Granted				Granted	Status
																			1369766		2691858		2361465			1279100		1411703				1244251	Patent No.
	11/2/2011	11/25/2009	4/ // 2011	170011	07072010	8/6/2010			9/7/2010	8/26/2010			6/1/2010	8/3/2006			8/25/2006		6/4/2003		3/30/2011	:	10/15/2008			4/3/2001		10/11/2003				3/23/2001	Filed Date
																			1/2/2008		10/26/2016		8/29/2012			6/16/2004		8/3/2011				10/26/2016	Grant Date
	11874975.3	09797223.6	11802900.0	118/20//	100007110.0	10855713 3			10857071.4	10856518.5			10852611.2	06254076.0			06802528.7		03253538.7		11862280.2		08875183.9			01926566.9		03256431.2				01107261.8	App No.
	EP	EP	Ę]	<u></u>	ΕD			EP	EP			EP	EP			ΕP		FR		FR		FR			FR		FR				FR	Country
SEARCH STRING	METHOD OF SEARCHING AND	MODULAR QUERY OPTIMIZER	CLASSIFICATION	CONSUMPTION	APPORTIONING POWER	SASTEM AND WELHODS FOR	MULTI-COMPONENT COMPUTER ENVIRONMENT	AUTOMATED DEPLOYMENT OF	SYSTEM AND METHOD FOR	VIRTUAL ENVIRONMENT	Applications	Manufacture To Deploy Software	Methods, Apparatus, And Articles Of	Collecting Information At A Remote Site	security	supplementing a program to provide	Apparatus and method for analyzing and	Information Technology Network	Propagation Of Viruses Through An	ANALYSIS	TIME FRAME BASED DATA	Configuration Management Database	Retrieving Configuration Records From A	TESTING	SUPPORT MULTIPLE NETWORK	USE OF A SINGLE THREAT TO	Information Technology Network	Propagation Of Viruses Through An	Environment	Services Of An Information Technology	Computer Program For Monitoring	Method, Computer System And	App Title

70127-50	90129289		90091197		90145418	1 1 1	84139614	84202575	6	84161934	84202587			84079648	84079534		84038223			84155393		84164254		84141268		83995671		84072994		83991756		84079484	0 0 0 0 0	83991329	Patent ID
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																																			Patent No.
012112010	6/27/2013		10/22/2015		7/19/2013	1	10/31/2012	5/4/2015		9/21/2012	11/28/2012			6/4/2012	7/26/2012		5/30/2012			8/30/2012	1	9/19/2012		7/31/2012		4/30/2012		7/31/2012		1/31/2012		5/30/2012		1/26/2012	Filed Date
																																			Grant Date
150002571.5	1388734.5		13887113.2		13889738.4	1	12887324.7	12888046.5		12884906.4	12889336.9			12887850.1	12881886.1		12877746.3			12883663.2		12883040.3		12882247.5		12876000.6		12882458.8		12867378.7		12877804.0		12866943.9	App No.
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Online Content	Assessing Value Of A Brand Based On	PAIRINGS	PRIORITIZING EVENT NOTICES UTILIZING PAST-PREFERENCE	OVERLAPPING GEOCODED PIXELS	MAP WITH DIFFERENT DEGREES OF	SPECIFICATION GENERATION	EXECUTABLE SOFTWARE	ASSIMILATING BUSINESS RULES	CONTINUOUS DEPLOYMENT	MONITOR USABLE WITH	REGULATING APPLICATION TASK DEVELOPMENT	DATA STORED IN AN INPUT BLOCK	FUNCTION TO BE PERFORMED ON	MANAGING AN ANALYTIC	APPLICATION SECURITY TESTING	PATTERN DISCOVERY	PARAMETER ADJUSTMENT FOR	DELIVERY	USEABLE WITH CONTINUOUS	GLOBAL FEATURE LIBRARY	WITH LOCKBOXES	METADATA TREE OF A PATIENT	INFORMATION ANALYSIS	VULNERABILITY VECTOR	pipeline tests	Prioritization of continuous deployment	Data Management System	Supporting Multi-Tenancy in a Federated	CHANGE	IDENTIFCATION OF A FAILED CODE	DISCOVERY	FIELD SELECTION FOR PATTERN	COMMUNICATION PATTERN	IDENTIFYING A PUSH	App Title

84232797	90352422	84148238		84208486	84162971	90301848	90352426	83799684		83691267	83498530	83141957	83165230	00100170	83138143	83114197	83053676	83118658	02021307	82821267	82750060	82675566		84162671		90129394		90090044	Patent ID
Application	Application	Аррисацоп	:	Application	Application	Application	Application	Application		Application	Application	Application	Application	Аррисацоп	Application	Application	Application	Application	Аррисацоп	Application	Application	Application		Allowed		Abandoned		Abandoned	Status
																													Patent No.
10/26/2012	8/8/2014	8/13/2012		9/30/2012	8/30/2012	6/4/2014	8/28/2014	7/31/2011		4/4/2011	2/18/2011	6/30/2010	7/22/2010	0/2/2010	6/9/2010	4/29/2010	5/11/2010	5/26/2010	0/1/2009	6/1/2000	12/19/2008	10/13/2008		8/29/2012		12/17/2015		7/30/2013	Filed Date
																													Grant Date
12887144.9	14899278.7	12891384.5		12885625.9	12891380.3	14893818.6	14900382.4	11870431.1		11863207.4	11858666.8	10854217.6	10855103.7	1000500050	10853005.6	10850871 4	10844908.3	10852293.9	07043020.0	0 96757,900	08878866.6	08877461.7		12883502.2		13887861.6		13890317.4	App No.
EP	EP	ĮĮ.		EP	EP	EP	EP	EP		EP	EP	EP	EP		TP F	ĘĐ !	EP	EP	DI.	Q3	EP	EP		EP		ΕP		EP	Country
Summarization of a document	REPLICATING A WEB TECHNOLOGY	PERFORMANCE LESIS IN A CONTINUOUS DEPLOYMENT PIPELINE	CUSTOMIZABLECOMPLIANCE POLICIES	ELECTRONIC HEALTH RECORD SYSTEM WITH	ENCRYPTED DATA STORE FOR RECORDS	EVALUATING USER EXPERIENCE	WORKFLOW CUSTOMIZATION	INCIDENT HANDLING	DEFINING A RELATIONSHIP BETWEEN EVENT TYPES	CREATING A CORRELATION RULE	GENERATING TEST DATA	Tracking A Server Request	Context-based Item Bookmarking	OF ANOMALIES	DETERMINING SIMIL ARITY SCORES	DOCUMENT REGISTRY SYSTEM	Software Application Testing	GRAPH AUTHORIZATION	Application Performance Data	And Computer Program Product System And Mathod For Collecting	Document Information Selection Method	Trend Determination And Identification	DYNAMIC TAINT	SECURITY SCAN BASED ON	OF A HYBRID FLOW	PROCESSING A DATA FLOW GRAPH	OF AN EMAIL THREAD	DETERMINING TOPIC RELEVANCE	App Title

Patent ID	Status	Patant No	Filed Date	Crant Data	A nn Na	Country	Ann Title
84121734	Application	i decite i do	7/31/2012	Or unit Durit	12882420.8	EP	MONITORING FOR MANAGED SERVICES
84223043	Application		10/19/2012		12886565.6	EP	Performing A Search Based On Entity- Related Criteria
84237773	Application		5/5/2015		12887799.0	EΡ	Patient oriented hospital care approach and system
90301869	Application		7/31/2014		14898973.4	EP	DETERMINING APPLICATION CHANGE SUCCESS RATINGS
90098147	Application		5/10/2013		13884253.9	EP	TUPLE RECOVERY
90022819	Application		1/31/2013		13873960.2	EP	DETERMINING TRANSFERABILITY OF A COMPUTING RESOURCE TO A CLOUD COMPUTING ENVIRONMENT
84312942	Application		7/17/2015		13876148.1	EP	PROVIDING CODE CHANGE JOB SETS OF DIFFERENT SIZES TO VALIDATORS
90092216	Application		8/29/2013		13892756.1	EP	Queries Involving Multiple Databases and Execution Engines
90168786	Application		9/12/2013		13893245.4	EP	Information Extraction
90175696	Application		9/14/2013		13893241.3	EP	PREDICTING EXECUTION TIMES OF CONCURRENT QUERIES
90301855	Application		6/9/2014		14894730.2	EP	MEASURING COMPATIBILITY OF VIEWERS BY LEVERAGING USER-PROVIDED ELEMENT DEFINITIONS
90188514	Application		10/15/2013		13895658.6	EP	ANALYZING A PARALLEL DATA STREAM USING A SLIDING FREQUENT PATTERN TREE
90301861	Application		6/25/2014		14895575.0	EP	DOCUMENTATION NOTIFICATION
90147968	Application		8/15/2014		14836293.2	EP	MANAGING DATABASE NODES
82029521	National	0918275	6/22/1998	3/19/2003	98111462.2	EP	Method Of Securing Software Configuration Parameters With Digital Signatures
82060046	National	1249965	3/26/2001	5/30/2012	01107514.0	EP	Method, Computer System, And Computer Program For Monitoring Objects Of An Information Technology Environment

Patent ID	Status	Patent No	Filed Date	Grant Date	Ann No	Country	Ann Title
82060052	National	1244251	3/23/2001	10/26/2016	01107261.8	EP	Method, Computer System And
							Computer Program For Monitoring
							Services Of An Information Technology Environment
82097531	National	1411703	10/11/2003	8/3/2011	03256431.2	EP	Propagation Of Viruses Through An
							Information Technology Network
82116884	National	0950302	12/8/1997	5/8/2013	97953075.5	EP	PUBLIC KEY CRYPTOGRAPHIC
0222215	Notice of	1270100	1/2/2001	6/16/2007	01006566 0	ED	APPARATUS AND METHOD
01700710	National	12/9100	4/3/2001	0/10/200+	01920300.9	EI	SUPPORT MULTIPLE NETWORK
							CONNECTIONS FOR SERVER LOAD
1837270	National	2261465	10/15/2008	8/20/2012	00075102 0		TESTING A PROPERTY A
1000,000	1 Authoritin	2001100	10/15/2000	012012	00010100.)	ţ	Configuration Management Database
83681555	National	2691858	3/30/2011	10/26/2016	11862280.2	EP	TIME FRAME BASED DATA
							ANALYSIS
82276982	National	1369766	6/4/2003	1/2/2008	03253538.7	EP	Propagation Of Viruses Through An Information Technology Natural
83131971	Published		5/20/2011		11787160 8	ĘΡ	SECURITY THREAT DETECTION
							ASSOCIATED WITH SECURITY
							EVENTS AND AN ACTOR
							CATEGORY MODEL
83137583	Published		6/1/2011		11790329.4	EP	Dynamic Multidimensional Schemas for
							Event Monitoring
83131987	Published		6/10/2011		11793250.9	EP	QUERY PIPELINE
82579544	Published		12/28/2007		07870034.1	EP	Storing Log Data Efficiently While
							Supporting Querying To Assist in
							Computer Network Security
82581168	Published		5/12/2005		05748199.6	EP	APPARATUS AND METHOD FOR
							MONTOPING, TESTING AND
82808568	Published		1/20/2000		07812463 3	ĮD	STANDARD OPER ATING
000000000000000000000000000000000000000			1		1	ļ	PROCEDURE AUTOMATION IN
							DATABASE ADMINISTRATION
83194915	Published		8/15/2011		11818627.9	EP	STORING ELECTRONIC CONTENT
							WITH TIME-VARYING PROPERTIES

Patent ID 82172303 82176515 822708912 82210193 82225235	Status Published Published Published Published Published
82225235 82227173 82239071	Published Published Published
82242089	Published
82244366	Published
82676605	Published
82892226	Published
82919272	Published
82914637	Published
82930245	Published
82926130	Published
82852878	Published
83108479	Published

82836834	83617590	83584528	83681492	83584506		83214671	83265983	83543316			00100100	83185159	83543185	83210557		83209077		83217749	83184698				83139750		83834205	Patent ID
Published	Published	Published	Published	Published		Published	Published	Published			I donalica	Published	Published	Published		Published		Published	Published				Published		Published	Status
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7/30/2007	3/17/2011	3/15/2011	5/6/2011	3/9/2011		11/12/2010	12/11/2010	3/8/2011			011777170	8/17/2010	3/3/2011	10/29/2010		10/19/2010		10/27/2010	7/30/2010				6/21/2010		4/10/2010	Filed Date
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07799915.9	11861207.6	11861195.3	11865318.7	11860194.7		10859444.1	10860464.6	11860667.2			1000002020	10856232 3	11860078.2	10858801.3		10858739.5	1	10859064.7	10855466.8				10853786.1		14157058.0	App No.
EP	EP	EP	EP	EP		EP F	EP	EP			Ţ	EP	EP	EP		ΕP		Е р	ΕP				ΕP		EP	Country
QUERY OPTIMIZER	SELF-ORGANIZATION OF A SATELLITE GRID	USABILITY TESTING	SYSTEMS AND METHODS	PERFORMING A CHANGE PROCESS BASED ON A POLICY	SOFTWARE PRODUCT BASED ON A FIRST AND SECOND AUTHORIZATION ITEM	Pattern Recognition DETERMINE AUTHORIZATION OF A	COMPUTER NETWORK NODE DISCOVERY	CREATING A TEST CASE	ACTION	OF ALTERNATIVE	CONTAINING A REPRESENTATION	PROVIDING ALITOMATION CODE	TESTING INTEGRATED BUSINESS SYSTEMS	Software Application Recognition	VIRTUAL APPLIANCES	GENER ATION OF ALITHORIZED	SCHEDULING CHANGES	SYSTEMS AND METHODS FOR	SYSTEMS AND METHODS FOR CREDENTIALING	COMPUTER SYSTEM	APPLIANCE ON A CUSTOMER	CERTIFYING A VIRTUAL	SYSTEM FOR TESTING AND	SOFTWARE APPLICATION	INJECTION OF DATA INTO A	App Title

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83132406	Status Published	Patent No.	7/30/2007	Grant Date	App No. 12192462.5	EP	APP TITLE AUTOMATIC VERTICAL-DATABASE
							DESIGN
82836839	Published		7/30/2007		07799914.2	EP	AUTOMATIC VERTICAL-DATABASE DESIGN
82919398	Published		7/14/2010		10735119.9	EP	DATABASE STORAGE ARCHITECTURE
83055175	Published		2/22/2011		11707954.1	EP	OPERATING ON TIME SEQUENCES OF DATA
83055106	Published		2/22/2011		11706128.3	EP	DATABASE DESIGNER
83682161	Published		4/29/2011		11864430.1	EP	SYSTEMS AND METHODS FOR IN- MEMORY PROCESSING OF EVENTS
83701561	Published		5/3/2011		11864892.2	EP	AUTOMATIC CLASSIFICATION ADJUSTMENT OF RECORDED ACTIONS FOR AUTOMATION SCRIPT
83738417	Published		7/29/2011		11870340.4	EP	SYSTEMS AND METHODS FOR DISTRIBUTED RULE-BASED CORRELATION OF EVENTS
83721322	Published		5/31/2011		11866810.2	EP	AUTOMATED SECURITY TESTING
83787661	Published		8/1/2012		12819296.0	EP	ASSET MODEL IMPORT CONNECTOR
83783393	Published		7/27/2011		11870148.1	EP	MAINTAINING AND UTILIZING A REPORT KNOWLEDGEBASE
83933604	Published		10/31/2011		11874908.4	EP	EMAIL TAGS
83714208	Published		5/31/2011		11866677.5	EP	APPLICATION SECURITY TESTING
83789818	Published		8/24/2012		12827937.9	EP	MULTIDIMENSION CLUSTERS FOR DATA PARTITIONING
83927130	Published		12/20/2011		11875015.7	EP	DISTRIBUTED EVENT PROCESSING
83806241	Published		9/7/2012		12830781.6	EP	VISUAL COMPONENT AND DRILL DOWN MAPPING
83933540	Published		10/27/2011		11874849.0	ΕP	Aligning Annotation of Fields of Documents
83701892	Published		2/8/2012		12814434.2	EP	TRANSITION BETWEEN STATES IN A PROCESSOR
83782568	Published		12/22/2011		11869688.9	EP	CRYPTOGRAPHIC INFORMATION ASSOCIATION TO MEMORY REGIONS

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83816161	Published		9/21/2011		118/2600.9	E.P	SYSTEM ANOMALY
83992633	Published		1/31/2012		12867306.8	EP	CONTINUOUS DEPLOYMENT OF
							CODE CHANGES
83832710	Published		12/2/2011		11876552.8	EP	Topic Extraction And Video Association
83800111	Published		8/31/2011		11871685.1	EP	PROVIDING APPLICATION CONTEXT FOR A CONVERSATION
83991656	Published		4/30/2012		12876027.9	EP	AUTOMATED EVENT
02051666	Dublichad		0/20/2011		11072270 0	ED	MANAGEMENT EXTENDING A CONVERS ATION
03034000	Fuonsiled		9/30/2011		116/33/9.9	Er	ACROSS APPLICATIONS
83987162	Published		1/23/2012		12866734.2	EP	IDENTIFYING A POLLING
							COMMUNICATION PATTERN
83784112	Published		10/20/2011		11872086.1	EP	SYSTEMS AND METHODS FOR
							ON A REFERENCE BASELINE
							ACCORDING TO TEMPORAL
							POSITION IN A SEQUENCE OF EVENTS
83998474	Published		2/29/2012		12869680.4	EP	NETWORK SERVICE INTERFACE
							ANALYSIS
84163277	Published		9/12/2012		12882895.1	EP	VALIDATING A METADATA TREE
							VALIDATOR
84046826	Published		3/30/2012		12872619.7	EP	SOFTWARE DEVELOPMENT ACTIVITY
83817966	Published		11/18/2011		11875745.9	EP	QUERY SUMMARY GENERATION
							USING ROW-COLUMN DATA STORAGE
83793359	Published		1/26/2012		12853508.5	EP	CLUSTERING EVENT DATA BY
							MULTIPLE TIME DIMENSIONS
83991697	Published		1/26/2012		12866909.0	EP	IMAGE-BASED APPLICATION
							AUTOMATION
83991603	Published		1/26/2012		12866445.5	EP	IMAGE-BASED APPLICATION AUTOMATION
84041410	Published		3/26/2012		12873442.3	EP	TOPOLOGICAL QUERY IN MULTI-
02005571	p_1:-1		27222		120/27/00	F)	TENANCY ENVIRONMENT
83995574	Published		2/7/2012		12867768.9	EP	TESTING A MOBILE APPLICATION

CASE MANAGEMENT USING ACTIVE ENTITIES IN A SOCIAL NETWORK	12887323.9 EP		5/5/2015		Published	84237929
ΕP	12889689.1		12/7/2012		Published	84273643
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EP	12889279.1		11/29/2012		Published	84264437
EP	12890336.6		12/19/2012		Published	84252652
EP	13873446.2		1/31/2013		Published	90000083
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ΕP	12889809.5		12/11/2012		Published	84237827
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Ę	12880021.6		6/29/2012		Published	84014754
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84182204	Published	I dicite i vo.	9/28/2012	Gi aiit Date	12885510.3	EP	Application Security Testing
84265739	Published		11/30/2012		12889263.5	EP	Distributed Pattern Discovery
84217938	Published		10/31/2012		12887437.7	EP	EXECUTING A QUERY HAVING MIII TIDI E SET OPERATORS
90068701	Published		4/16/2013		13882517.9	EP	DISTRIBUTED EVENT CORRELATION SYSTEM
83992714	Published		1/30/2013		13874158.2	EP	ACQUIRING IDENTIFICATION OF AN APPLICATION LIFECYCLE MANAGEMENT ENTITY ASSOCIATED WITH SIMILAR CODE
84304333	Published		3/15/2013		13877639.8	EP	MAP MATCHING
84312773	Published		1/29/2013		13874102.0	EP	ANALYZING STRUCTURE OF WEB APPLICATION
84312826	Published		1/31/2013		13873289.6	EP	TARGETED SECURITY ALERTS
90016637	Published		1/31/2013		13873548.5	EP	SYNTHETIC HEALTHCARE DATA GENERATION
90001175	Published		2/27/2013		13876359.4	EP	DETERMINING EVENT AND INPUT COVERAGE METRICS FOR A GRAPHICAL USER INTERFACE CONTROL INSTANCE
90098072	Published		4/30/2013		13883628.3	EP	Incrementally Updating Statistics
90160487	Published		9/30/2013		13894532.4	EP	RECORD AND REPLAY OF OPERATIONS ON GRAPHICAL OBJECTS
90000100	Published		2/1/2013		13873809.1	EP	TEST SCRIPT CREATION BASED ON ABSTRACT TEST USER CONTROLS
84312585	Published				13875944.4	EP	PRESENTATION OF USER INTERFACE ELEMENTS BASED ON RULES
90043614	Published		3/11/2013		13877542.4	EP	EVENT CORRELATION BASED ON CONFIDENCE FACTOR
84217962	Published		11/14/2012		12888283.4	EP	Updating Statistics in Distributed Databases
84312703	Published		2/28/2013		13876193.7	EP	DETERMINING COVERAGE OF DYNAMIC SECURITY SCANS USING RUNTIME AND STATIC CODE ANALYSES
83992735	Published		1/31/2013		13873442.1	EP	DEFINING A DESIGN PLAN

90075735	90164349	90068041	90160119	84299276	90148305	90098108	200710#5	00071045	90091215	90129358	90092957		90022852		07012775	84312973		90149811					90092857	20002020	90985806	90031129	00001100	90031036		90031117	Patent ID
Published	Published	Published	Published	Published	Published	Published	I HOHSHCH	Dubliched	Published	Published	Published		Published		I donsiled	Published		Published	:				Published	I donanca	Dinkliched	Published	7-1-1:-1	Published		Published	Status
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																															Grant Date
13883528.5	13894141.4	13880634.4	13892958.3	13883570.7	13891861.0	13883381.9	100000000000000000000000000000000000000	13880855 5	13887657.8	13888381.4	13892590.4		13874644.1		12001000.0	13881066.8		13892558.1					13887234.6	13000407.5	13880/07 5	13663300.1	12002506 1	13877870.9		13881803.4	App No.
EP	EP	EP	EP	ĘĘ	EP	EP	Ī	ED.	EP	EP	EP		ΕP		ţ	ΕP		 PH	1				EP		ĘΦ	ביר		EP		EP	Country
DATABASE TABLE COLUMN ANNOTATION	CALL HANDLING AND SCHEDULING BASED ON A SET OF RULES	Generating a Feature Set	MANAGING A SENSORY FACTOR	RECORDING UNSTRUCTURED EVENTS IN CONTEXT	PAYMENT UNIFICATION SERVICE	CONTENT CLASSIFICATION	DATABASES AND FILE SYSTEMS	OHERV INTEGRATION ACROSS	HOOK FRAMEWORK	SIMULATING SENSORS	MANAGING A PRESENTATION	Database	Formatting Semi-Structured Data in a	PRODUCT KNOWLEDGE	VISUALIZING SOFTWARE	EXPLORATION MAPS FOR	BACKGROUND	MOVEMENTS TO BATTERN BROKE E	SERVICE	OF A FAULT OF AN EXTERNAL	APPLICATION TO A SIMULATION	REPRESENTING A RESPONSE OF AN	GENERATING A FINGERPRINT	DEVICE	SHIELD EOB AN ELECTRONIC	FEATURE FLAGS	LIOVIDEI	Sending Encrypted Data to a Service	SOFTWARE LOCALIZATION	AUTOMATED CONTEXTUAL-BASED	App Title

90181081	90181063	90181010	90160835	90129342	90164361	90092202	90149769	90188564		90129330	90149876	90068849	90128350	90160852	90129382	90160131	90160548	83995385	Patent ID
Published	Published	Published	Published	Published	Published	Published	Published	Published		Published	Published	Published	Published	Published	Published	Published	Published	Published	Status
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10/30/2013	10/30/2013	10/30/2013	9/30/2013	6/24/2013	9/30/2013	6/26/2013	8/28/2013	10/31/2013		6/27/2013	8/30/2013	4/19/2013	9/30/2013	9/30/2013	7/31/2013	9/13/2013	8/28/2013	2/28/2013	Filed Date
																			Grant Date
13896575.1	13896317.8	13896441.6	13894459.0	13888068.7	13894517.5	13887702.2	13892464.2	13896833.4		13887868.1	13892175.4	13882268.9	13894855.9	13894501.9	13890726.6	13893561.4	13892159.8	13876692.8	App No.
EP	EP	EP	EP	EP	EP	EP	EP	EP		EP	EP	EP	ΕP	EP	EP	EP	EP	EP	Country
MODIFYING REALIZED TOPOLOGIES	REALIZED TOPOLOGY SYSTEM MANAGEMENT DATABASE	FACILITATING AUTONOMOUS COMPUTING WITHIN A CLOUD SERVICE	HIERARCHICAL THREAT INTELLIGENCE	GENERATING A LOGICAL REPRESENTATION FROM A PHYSICAL FLOW	WITH INJECTED WIDGET CODE	Modifying an Analytic Flow	MESSAGE DELIVERY VIA PREFERRED COMMUNICATIONS APPLICATIONS	CLASSIFYING A DOCUMENT USING PATTERNS	COMMUNICATIONS SERVICES	DEVICE FOR DISPLAYING ELECTRONIC COMMUNICATIONS	CONTEXTUAL SEARCHES FOR DOCUMENTS	Unused Parameters of Application Under Test	USER MONITORING	LEGACY SYSTEM	COMPARING USER INTERFACES	Intelligent Auto-Scaling	DISTRIBUTED PATTERN DISCOVERY	AN INTERFACE FOR CREATING A PLAN ARTIFACT	App Title

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90160010	Published	I atent 190.	9/4/2013	OI alli Date	13892928.6	EP	PROVIDING RESOURCES TO
							CUSTOMERS VIA NODE-
							RELATIONSHIP MODELS
90160031	Published		9/4/2013		13893081.3	EP	PROVIDING RECURSIVELY-
							GENERATED INSTANTIATED
							COMPUTING RESOURCE IN A
							MULTI-TENANT ENVIRONMENT
90160099	Published		9/4/2013		13892951.8	EP	SELECTION OF RESOURCE
							PROVIDERS FOR MULTI-TENANCY
							PROVISION OF BUILDING BLOCKS
90141266	Published		7/31/2013		13890383.6	EP	SIGNAL TOKENS INDICATIVE OF
							MALWARE
90092997	Published		7/12/2013		13889177.5	EP	ANALYZING TARGET SOFTWARE
							FOR SECURITY VULNERABILITIES
90181975	Published		10/9/2013		13895186.8	EP	DISPLAYING MULTIVARIATE DATA
							IN MULTIPLE DIMENSIONS
90188996	Published		10/30/2013		13896436.6	EP	TECHNOLOGY RECOMMENDATION
							FOR SOFTWARE ENVIRONMENT
90189017	Published		10/30/2013		13896563.7	EP	RECORDING AN APPLICATION TEST
90181429	Published		10/30/2013		13896371.5	EP	SOFTWARE COMMIT RISK LEVEL
90093030	Published		8/27/2013		13890596.3	EP	DETERMINING MALWARE BASED
							ON SIGNAL TOKENS
90251043	Published		2/21/2014		14883284.3	EP	SCORING FOR
							THREATOBSERVABLES
90252037	Published		4/18/2014		14889492.6	EP	RATING THREAT SUBMITTER
90196520	Published		1/29/2014		14880424.8	ΕP	PREDICTIVE ANALYTICS UTILIZING
							REAL TIME EVENTS
82852866	Withdrawn		7/31/2009		09847933.0	EP	Method And System To Recognize And
							Inventory Applications
83730049	Withdrawn		7/30/2011		11741391.4	EP	SIDEWAYS INFORMATION PASSING
83769098	Withdrawn		7/11/2011		11869198.9	EP	VIRTUAL MACHINE PLACEMENT
84125967	Withdrawn		7/27/2012		12881758.2	ΕP	RECORDING EXTERNAL
							PROCESSES
90129503	Withdrawn		7/31/2013		13890550.0	EP	PROVIDING SUBSCRIBER OPTIONS
90092944	Withdrawn		7/31/2013		13890684.7	EP	CLOUD BASED SERVICE DESIGN
							INHERITANCE

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
83009779	Granted	60146607.1	3/26/2001	5/30/2012	01107514.0	DE	Method, Computer System, And Computer Program For Monitoring Objects Of An Information Technology Environment
90282996	Granted	1244251	3/23/2001	10/26/2016	01107261.8	DE	Method, Computer System And Computer Program For Monitoring Services Of An Information Technology
							Environment
82097453	Granted	102004016850.4	3/31/2004	3/29/2007	102004016850.4	DE	Dynamic Mapping Of Status Messages To Service Elements
82802868	Granted	60337893.5	10/11/2003	8/3/2011	03256431.2	DE	Propagation Of Viruses Through An
83747588	Granted	69740590 7	12/8/1997	5/8/2013	97953075 5	DE	Information Technology Network
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82233218	Granted	60103888.6	4/3/2001	6/16/2004	01926566.9	DE	USE OF A SINGLE THREAT TO
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							MERGING PARTIALLY
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83991652	Published		4/30/2012		201280068636.9	CN	AUTOMATED EVENT MANAGEMENT
83991325	Published		1/26/2012		201280068228.3	CN	IDENTIFYING A PUSH
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84164182	Published		9/12/2012		201280076411.8	CN	METADATA TREE WITH KEY ROTATION INFORMATION
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84208481	Published		9/30/2012		201280077404.X	CN	ELECTRONIC HEALTH RECORD
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83817961	Published		11/18/2011		201180074933.X	CN	QUERY SUMMARY GENERATION USING ROW-COLUMN DATA
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83991693	Published		1/26/2012		201280068226.4	CN	IMAGE-BASED APPLICATION AUTOMATION
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84072990	Published		7/31/2012		201280072825.3	CN	Supporting Multi-Tenancy in a Federated
84081210	Published		7/31/2012		201280072860.5	CN	Concept Categorization
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Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
83995667	Published		4/30/2012		201280068787.4	CN	Prioritization of continuous deployment
84079561	Published		5/15/2012		201280072816.4	CN	PATTERN MINING BASED ON OCCUPANCY
84014750	Published		6/29/2012		201280074365.8	CN	RULE-BASED AUTOMATED TEST DATA GENERATION
84139162	Published		7/31/2012		201280075051.X	CN	CONJOINT VULNERABILITY IDENTIFIERS
84141264	Published		7/31/2012		201280075026.1	CN	VULNERABILITY VECTOR INFORMATION ANALYSIS
84078880	Published		6/8/2012		201280072847.X	CN	PATIENT INFORMATION INTERFACE
84117615	Published		6/29/2012		201280074374.7	CN	PERSONALIZING SHARED COLLABORATION CONTENT
84164249	Published		9/19/2012		201280076410.3	CN	METADATA TREE OF A PATIENT WITH LOCKBOXES
84079672	Published		7/30/2012		201280072842.7	CN	GENERATING AND PARTITIONING POLYNOMIALS
84079505	Published		7/25/2012		201280072906.3	CN	DETERMINING APPLICATION VULNERABILITIES
84155389	Published		8/30/2012		201280075520.8	CN	GLOBAL FEATURE LIBRARY USEABLE WITH CONTINUOUS DELIVERY
84038219	Published		5/30/2012		201280072844.6	CN	PARAMETER ADJUSTMENT FOR PATTERN DISCOVERY
84139981	Published		7/31/2012		201280075062.8	CN	INSTRUMENTED FILE DEPLOYMENT
84125963	Published		7/27/2012		201280074928.3	CN	RECORDING EXTERNAL PROCESSES
84232793	Published		10/26/2012		201280078015.9	CN	Summarization of a document
90068065	Published		3/29/2013		201380076223.X	CN	QUERY FEATURES AND QUESTIONS
84116398	Published		6/1/2012		201280074447.2	CN	SHARING INFORMATION ABOUT RESOURCES IN A COLLABORATIVE ENVIRONMENT
84072887	Published		7/16/2012		201280072824.9	CN	WORKFLOW COMPILATION
84162667	Published		8/29/2012		201280076097.3	CN	SECURITY SCAN BASED ON DYNAMIC TAINT
84079530	Published		7/26/2012		201280072883.6	CN	APPLICATION SECURITY TESTING

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84237822	Published		12/11/2012		201280077618.7	CN	Data Operation in Shift Register Ring
84121730	Published		7/31/2012		201280075056.2	S	MONITORING FOR MANAGED SERVICES
84116615	Published		6/4/2012		201280075125.X	CN	USER-DEFINED LOADING OF DATA ONTO A DATABASE
84072916	Published		7/24/2012		201280072857.3	CN	INITIATING A HELP FEATURE
84141288	Published		7/31/2012		201280074998.9	CN	Pattern Consolidation To Identify
84273827	Published		12/4/2012		201280078189.5	CN	Determining Suspected Root Causes of
0427.027	I donaica		7 7 7 7 7 7 7 7		2012000/0107:5	Ş	Anomalous Network Behavior
84274031	Published		12/4/2012		201280078191.2	CN	Displaying Information Technology
84137291	Published		10/10/2012		201280077596.4	CN	IDENTIFYING REPORTS TO
							ADDRESS NETWORK ISSUES
84237629	Published		11/28/2012		201280077358.3	CN	DETERMINING AT LEAST ONE COST
							THE CLOUD TO PROVIDE AN
							APPLICATION COMPONENT
84164225	Published		3/18/2013		201380049704.1	CN	VISUALIZING CONDITIONS OF
							ENVIRONMENTS
84202583	Published		11/28/2012		201280077356.4	CN	REGULATING APPLICATION TASK
							DEVELOPMENT
84156866	Published		9/25/2012		201280076007.0	CN	DISPLAYING INBOX ENTITIES AS A GRID OF FACETED TILES
90000079	Published		1/31/2013		201380071723.4	CN	GENERATING SOFTWARE TEST
							SCRIPT FROM VIDEO
84252648	Published		12/19/2012		201280077884.X	CN	MULTI-CHANNEL CONVERSATION
84139959	Published		9/27/2012		201280074807.9	CN	CAPTURING AN APPLICATION STATE IN A CONVERSATION
84312512	Published		7/31/2015		201380072013.3	CN	METHODS AND APPARATUS FOR
							DEBUGGING OF REMOTE SYSTEMS
84161930	Published		9/21/2012		201280075923.2	CN	MONITOR USABLE WITH
84202571	Published		11/12/2012		201280077014.2	CN	ASSIMILATING BUSINESS RULES
84139610	Published		10/31/2012		201280074806.4	CN	EXECUTABLE SOFTWARE
	:					3	SPECIFICATION GENERATION
84304303	Published		2/27/2013		201380072038.3	CN	Generating a social circle for a user

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201380079950.1	201380076186.2	201300013720.0	701380073928	201380071979.5	201380072035.X	201380071708.X			2015800/4165./	2012800741757	201380078959.0	201380076469.7	201380072025.6			2013000/1030.1	201380071856 1	201380075693.4		201280076766.7	201280077653.9			201280078095.8			201280078099.6		201280078093.9	App No.
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RECORD AND REPLAY OF OPERATIONS ON GRAPHICAL OBJECTS	Incrementally Updating Statistics	COVERAGE METRICS FOR A GRAPHICAL USER INTERFACE CONTROL INSTANCE	DETERMINING EVENT AND INDIT	SYNTHETIC HEALTHCARE DATA GENERATION	TARGETED SECURITY ALERTS	ANALYZING STRUCTURE OF WEB APPLICATION	ENVIRONMENT	CLOUD COMPUTING	OF A COMPUTING RESOURCE TO A	OVERLAPPING GEOCODED PIXELS	MAP WITH DIFFERENT DEGREES OF	TUPLE RECOVERY	MAP MATCHING	ASSOCIATED WITH SIMILAR CODE	MANAGEMENT ENTITY	AN APPLICATION LIFECYCLE	ACOLUBING IDENTIFICATION OF	DISTRIBUTED EVENT CORRELATION SYSTEM	MULTIPLE SET OPERATORS	EXECUTING A QUERY HAVING	Distributed Pattern Discovery	NETWORK	ACTIVE ENTITIES IN A SOCIAL	CASE MANAGEMENT USING	RELATING TO A CASE	ON COLLECTING INFORMATION	GENERATING AN OUTPUT BASED	and system	Patient oriented hospital care approach	App Title

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90000096	Published	1 archit ivo.	2/1/2013	Grant Date	201380071852.3	CN	TEST SCRIPT CREATION BASED ON ARSTRACT TEST LISER CONTROLS
84312581	Published		2/25/2013		201380071980.8	CN	PRESENTATION OF USER
							INTERFACE ELEMENTS BASED ON RULES
90043610	Published		3/11/2013		201380074551.6	CN	EVENT CORRELATION BASED ON CONFIDENCE FACTOR
84217958	Published		11/14/2012		201280077069.3	CN	Updating Statistics in Distributed
							Databases
84312699	Published		2/28/2013		201380071978.0	CN	DETERMINING COVERAGE OF
							RUNTIME AND STATIC CODE
							ANALYSES
83992731	Published		1/31/2013		201380072052.3	CN	DEFINING A DESIGN PLAN
90031113	Published		4/11/2013		201380075475.0	CN	AUTOMATED CONTEXTUAL-BASED
00021022	Dublichad		2/15/2012		201280074713 6	CN	Sonding Engranted Data to a Sor
6						3	Provider
90031125	Published		4/30/2013		201380075511.3	CN	DEPENDENCIES BETWEEN
90065892	Published		3/28/2013		201380076741.1	CN	SHIELD FOR AN ELECTRONIC
							DEVICE
90091193	Published		6/18/2013		201380076128.X	CN	PRIORITIZING EVENT NOTICES UTILIZING PAST-PREFERENCE PAIRINGS
90092853	Published		6/20/2013		201380076134.5	CN	GENERATING A FINGERPRINT REPRESENTING A RESPONSE OF AN
							APPLICATION TO A SIMULATION OF A FAULT OF AN EXTERNAL
							SERVICE
90149807	Published		8/30/2013		201380079106.9	CN	COMPARING REAL-TIME MOVEMENTS TO PATTERN PROFILE
							BACKGROUND
84312969	Published		4/3/2013		201380071961.5	CN	EXPLORATION MAPS FOR
							VISUALIZING SOFTWARE PRODUCT KNOWLEDGE
90022848	Published		2/7/2013		201380072533.4	CN	Formatting Semi-Structured Data in a
							Database

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90068845	90128346	90160848	90129378	90160127	90100344		90092212	4	90090048	83995381		90075731			90164345		90129434		90122466	90068037	90160115		84299272	90148301	90098104		90071041			84312938	90091211	90129354	90092953	Patent ID
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4/19/2013	9/30/2013	9/30/2013	7/31/2013	9/13/2013	8/28/2013		8/29/2013	1	7/30/2013	2/28/2013		4/30/2013		010012010	9/30/2013		6/27/2013		6/12/2013	3/28/2013	9/6/2013		4/29/2013	8/20/2013	5/1/2013		4/2/2013			2/28/2013	6/28/2013	6/28/2013	8/28/2013	Filed Date
																																		Grant Date
201380076467.8	201380079620.2	201380079679.1	201380078668.1	201380079538.X	201380079163.6		201380076181.X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	201380076244.1	201380071719.8		201380076133.0		F0100001001111	201380079941.2		201380077724.X		201380077423.7	201380076001.8	201380079406.7		201380071717.9	201380078974.5	201380076169.9		201380076177.3			201380071104.5	201380076118.6	201380077854.3	201380076161.2	App No.
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Unused Parameters of Application Under Test	TRACING SOURCE CODE FOR END USER MONITORING	LEGACY SYSTEM	COMPARING USER INTERFACES	Intelligent Auto-Scaling	DISCOVERY	Execution Engines	Queries Involving Multiple Databases and	OF AN EMAIL THREAD	DETERMINING TOPIC RELEVANCE	AN INTERFACE FOR CREATING A	ANNOTATION	DATABASE TABLE COLUMN	RULES	SCHEDULING BASED ON A SET OF	CALL HANDLING AND	Online Content	Assessing Value Of A Brand Based On	PROCESS ENGINEERING	DISTRIBUTED WORKER-SOURCED	Generating a Feature Set	MANAGING A SENSORY FACTOR	EVENTS IN CONTEXT	RECORDING UNSTRUCTURED	PAYMENT UNIFICATION SERVICE	CONTENT CLASSIFICATION	DATABASES AND FILE SYSTEMS	QUERY INTEGRATION ACROSS	VALIDATORS	SETS OF DIFFERENT SIZES TO	PROVIDING CODE CHANGE JOB	HOOK FRAMEWORK	SIMULATING SENSORS	MANAGING A PRESENTATION	App Title

90149872	Status Published	Patent No.	8/30/2013	Grant Date	App No. 201380079102.0	Country	App Title CONTEXTUAL SEARCHES FOR
							DOCUMENTS
92562106	Published		6/27/2013		201380077849.2	CN	DEVICE FOR DISPLAYING ELECTRONIC COMMUNICATIONS
							RECEIVED FROM COMMUNICATIONS SERVICES
90149765	Published		8/28/2013		201380079226.9	CN	MESSAGE DELIVERY VIA PREFERRED COMMUNICATIONS
							APPLICATIONS
90092198	Published		6/26/2013		201380076218.9	CN	Modifying an Analytic Flow
90164357	Published		9/30/2013		201380079942.7	CN	CONTROLLING A PROXY TOOL
							WITH INJECTED WIDGET CODE
90129338	Published		6/24/2013		201380078997.6	CN	GENERATING A LOGICAL REPRESENTATION FROM A
							PHYSICAL FLOW
90160831	Published		9/30/2013		201380079668.3	CN	HIERARCHICAL THREAT INTELLIGENCE
90129499	Published		7/31/2013		201380078223.3	CN	PROVIDING SUBSCRIBER OPTIONS
90092940	Published		7/31/2013		201380076158.0	CN	CLOUD BASED SERVICE DESIGN
	:					2	INFERITANCE
90160006	Published		9/4/2013		201380079358.1	S	PROVIDING RESOURCES TO CUSTOMERS VIA NODELS RELATIONSHIP MODELS
90160027	Published		9/4/2013		201380079372.1	CN	PROVIDING RECURSIVELY-
							GENERATED INSTANTIATED COMPUTING RESOURCE IN A
							MULTI-TENANT ENVIRONMENT
56009106	Published		9/4/2013		0.1780079374.0	CN	SELECTION OF RESOURCE
							PROVISION OF BUILDING BLOCKS
90141262	Published		7/31/2013		201380078666.2	CN	SIGNAL TOKENS INDICATIVE OF
							MALWARE
90092993	Published		7/12/2013		201380076132.6	CN	ANALYZING TARGET SOFTWARE
							FOR SECURITY VULNERABILITIES
90181971	Published		10/9/2013		201380080172.8	Q	DISPLAYING MULTIVARIATE DATA
90147964	Published		8/15/2014		201480045251.X	S	MANAGING DATABASE NODES
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90188992	Published	Patent No.	10/30/2013	Grant Date	201380080534.3	CN	TECHNOLOGY RECOMMENDATION
							FOR SOFTWARE ENVIRONMENT
90189013	Published		10/30/2013		201380080538.1	CN	RECORDING AN APPLICATION TEST
90093026	Published		8/27/2013		201380076192.8	CN	DETERMINING MALWARE BASED ON SIGNAL TOKENS
84208476	Application		9/30/2012		2886577	CA	ELECTRONIC HEALTH RECORD SYSTEM WITH
							CUSTOMIZABLECOMPLIANCE POLICIES
84078875	Application		6/8/2012		2871845	CA	PATIENT INFORMATION
84237765	Application		10/31/2012		2,890,071	CA	VISUAL CALL APPARATUS AND
90190833	Application		10/31/2013			CA	DATA PROCESSING SYSTEM
							INCLUDING A SEARCH ENGINE
82579387	Granted	2660054	10/25/2007	3/19/2013	2660054	CA	Real-Time Identification Of An Asset Model And Categorization Of An Asset
							To Assist In Computer Network Security
82579290	Granted	2565343	5/4/2005	1/15/2013	2565343	CA	Pattern Discovery In A Network Security
\$2048643	Granted	2200351	\$/22/1008	\$00C/EC/8	2290351	CA	Virtual robot conversing with users in
							natural language
83721312	Application		5/31/2011		1220130308164	BR	AUTOMATED SECURITY TESTING
83714198	Application		5/31/2011		1120130306602	BR	APPLICATION SECURITY TESTING
83991648	Application		4/30/2012		BR 11 2014 018142 0	BR	AUTOMATED EVENT MANAGEMENT
83784102	Application		10/20/2011		BR1120140051194	BR	SYSTEMS AND METHODS FOR EVALUATION OF EVENTS BASED
							ON A REFERENCE BASELINE
							ACCORDING TO TEMPORAL
							POSITION IN A SEQUENCE OF
84162663	Application		8/29/2012		1120150040357	BR	SECURITY SCAN BASED ON
							DYNAMIC TAINT
84182200	Application		9/28/2012		1120150066534	BR	Application Security Testing

Patent ID	Status	Patent No.	Filed Date	Grant Date	App No.	Country	App Title
84208471	Abandoned		9/30/2012		2012391038	AU	ELECTRONIC HEALTH RECORD
							SYSTEM WITH CUSTOMIZABLECOMPLIANCE
							POLICIES
84237761	Application		10/31/2012		2012393561	AU	Patient oriented hospital care approach
							and system
90190829	Application		10/31/2013		2013404005	AU	DATA PROCESSING SYSTEM
							INCLUDING A SEARCH ENGINE
82579541	Granted	108622002	12/28/2007	3/22/2012	108652002	AU	Storing Log Data Efficiently While
							Supporting Querying To Assist in
							Computer Network Security
82579386	Granted	2007308830	10/25/2007	10/4/2012	2007308830	AU	Real-Time Identification Of An Asset
							Model And Categorization Of An Asset
							To Assist In Computer Network Security
82579350	Granted	2007234897	4/3/2007	12/17/2009	2007234897	AU	Merging Multi-Line Log Entries
82579289	Granted	2005240203	5/4/2005	1/27/2011	2005240203	AU	Pattern Discovery In A Network Security
							System
84162956	Granted	2012387663	8/30/2012	6/9/2016	2012387663	AU	ENCRYPTED DATA STORE FOR
							RECORDS
84163262	Granted	2012387666	9/12/2012	5/26/2016	2012387666	AU	VALIDATING A METADATA TREE
							USING A METADATA INTEGRITY
							VALIDATOR
84078870	Granted	8002852102	6/8/2012	2/25/2016	8002852102	AU	PATIENT INFORMATION
							INTERFACE

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