

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4996645

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECOND LIEN PATENT SECURITY AGREEMENT

CONVEYING PARTY DATA

Name	Execution Date
QUEST SOFTWARE INC.	05/18/2018

RECEIVING PARTY DATA

Name:	CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH, AS COLLATERAL AGENT
Street Address:	11 MADISON AVENUE
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10010

PROPERTY NUMBERS Total: 486

Property Type	Number
Patent Number:	6871221
Patent Number:	6834290
Patent Number:	7805423
Patent Number:	7065538
Patent Number:	6928471
Patent Number:	6944798
Patent Number:	7657616
Patent Number:	7818565
Patent Number:	7707401
Patent Number:	7664822
Patent Number:	7428590
Patent Number:	7231391
Patent Number:	7469278
Patent Number:	7293087
Patent Number:	7353262
Patent Number:	7096392
Patent Number:	7565661
Patent Number:	7913043
Patent Number:	7680834
Patent Number:	7519870

PATENT

Property Type	Number
Patent Number:	7979404
Patent Number:	7769004
Patent Number:	7836014
Patent Number:	7643484
Patent Number:	7814260
Patent Number:	8108429
Patent Number:	7979650
Patent Number:	7689602
Patent Number:	7788521
Patent Number:	7565336
Patent Number:	7681104
Patent Number:	7681105
Patent Number:	7539655
Patent Number:	7185237
Patent Number:	7904913
Patent Number:	7774832
Patent Number:	7760640
Patent Number:	8087075
Patent Number:	7870354
Patent Number:	8429712
Patent Number:	7461103
Patent Number:	7814460
Patent Number:	7512682
Patent Number:	7363549
Patent Number:	7818801
Patent Number:	7756981
Patent Number:	7801975
Patent Number:	8078728
Patent Number:	7979245
Patent Number:	7606839
Patent Number:	7783510
Patent Number:	7788127
Patent Number:	8601539
Patent Number:	7882265
Patent Number:	7895332
Patent Number:	8086710
Patent Number:	7979494
Patent Number:	8127316

Property Type	Number
Patent Number:	8234253
Patent Number:	8001074
Patent Number:	8131723
Patent Number:	8364648
Patent Number:	8046550
Patent Number:	8194674
Patent Number:	8175863
Patent Number:	8903983
Patent Number:	8935701
Patent Number:	8015454
Patent Number:	8108476
Patent Number:	8060889
Patent Number:	7941385
Patent Number:	8135930
Patent Number:	8060476
Patent Number:	7970843
Patent Number:	8311985
Patent Number:	8429649
Patent Number:	8452731
Patent Number:	8171201
Patent Number:	8245242
Patent Number:	7979441
Patent Number:	8086937
Patent Number:	8051361
Patent Number:	8260750
Patent Number:	8996468
Patent Number:	7912929
Patent Number:	8687490
Patent Number:	8331391
Patent Number:	8086782
Patent Number:	8151140
Patent Number:	7970748
Patent Number:	8332942
Patent Number:	8195628
Patent Number:	8544023
Patent Number:	8938419
Patent Number:	8229962
Patent Number:	8499001

Property Type	Number
Patent Number:	8438352
Patent Number:	8195833
Patent Number:	8171247
Patent Number:	8639827
Patent Number:	8453145
Patent Number:	8156192
Patent Number:	9047574
Patent Number:	8185598
Patent Number:	8175862
Patent Number:	8145864
Patent Number:	8200706
Patent Number:	8332346
Patent Number:	8898114
Patent Number:	8347148
Patent Number:	9141442
Patent Number:	8527543
Patent Number:	8205139
Patent Number:	8352523
Patent Number:	8166265
Patent Number:	8375003
Patent Number:	8346908
Patent Number:	8584218
Patent Number:	8738972
Patent Number:	9311375
Patent Number:	8650578
Patent Number:	8312093
Patent Number:	8271755
Patent Number:	8375248
Patent Number:	8255654
Patent Number:	8335902
Patent Number:	8332571
Patent Number:	9215142
Patent Number:	8266231
Patent Number:	8364460
Patent Number:	8892415
Patent Number:	8650167
Patent Number:	8429198
Patent Number:	9122627

Property Type	Number
Patent Number:	8365017
Patent Number:	8688644
Patent Number:	8700667
Patent Number:	8533744
Patent Number:	8838654
Patent Number:	8640232
Patent Number:	8966045
Patent Number:	9098624
Patent Number:	8972347
Patent Number:	8639974
Patent Number:	9122718
Patent Number:	9165027
Patent Number:	8887009
Patent Number:	9275172
Patent Number:	8712970
Patent Number:	9311318
Patent Number:	RE45327
Patent Number:	9338255
Patent Number:	9372942
Patent Number:	8966503
Patent Number:	8856790
Patent Number:	8978098
Patent Number:	9405776
Patent Number:	9032403
Patent Number:	9390240
Patent Number:	9164820
Patent Number:	9047272
Patent Number:	8898136
Patent Number:	9245248
Patent Number:	9317574
Patent Number:	9183272
Patent Number:	9288060
Patent Number:	9288201
Patent Number:	8938781
Patent Number:	9202043
Patent Number:	9195823
Patent Number:	9442818
Patent Number:	9130847

Property Type	Number
Patent Number:	9349016
Patent Number:	9405699
Patent Number:	9274758
Patent Number:	7617501
Patent Number:	7904949
Patent Number:	7961959
Patent Number:	7961960
Patent Number:	7881544
Patent Number:	7936932
Patent Number:	7970216
Patent Number:	7974478
Patent Number:	7885988
Patent Number:	8224831
Patent Number:	8219534
Patent Number:	8386443
Patent Number:	8862559
Patent Number:	8694466
Patent Number:	8423520
Patent Number:	8965852
Patent Number:	8849773
Patent Number:	9323778
Patent Number:	9400799
Patent Number:	9201890
Patent Number:	9442951
Patent Number:	9449013
Patent Number:	9449014
Patent Number:	9256609
Patent Number:	8655898
Patent Number:	9210044
Patent Number:	8965850
Patent Number:	9389879
Patent Number:	9448948
Patent Number:	9250819
Patent Number:	9367558
Patent Number:	8892528
Patent Number:	8713583
Patent Number:	9460178
Patent Number:	9251161

Property Type	Number
Patent Number:	9311322
Patent Number:	9262432
Patent Number:	9778946
Patent Number:	9547562
Patent Number:	9886483
Patent Number:	9569446
Patent Number:	9559859
Patent Number:	9563632
Patent Number:	9495222
Patent Number:	9557879
Patent Number:	9507820
Patent Number:	9672078
Patent Number:	9594643
Patent Number:	9948648
Patent Number:	9569287
Patent Number:	9779260
Patent Number:	9501744
Patent Number:	9571348
Patent Number:	9753937
Patent Number:	9578060
Patent Number:	9760713
Patent Number:	9906419
Patent Number:	9558246
Patent Number:	9479414
Patent Number:	9600490
Patent Number:	9917894
Patent Number:	9569456
Patent Number:	9698825
Patent Number:	9881159
Patent Number:	9917882
Patent Number:	9910868
Patent Number:	9805040
Patent Number:	9477490
Patent Number:	9678974
Patent Number:	9838366
Patent Number:	9690576
Patent Number:	9608959
Patent Number:	9465642

Property Type	Number
Patent Number:	9904707
Patent Number:	9842220
Patent Number:	9842218
Patent Number:	9563782
Patent Number:	9641555
Patent Number:	9569626
Patent Number:	9819630
Patent Number:	9635045
Patent Number:	9596249
Patent Number:	9813422
Patent Number:	9934278
Patent Number:	9769026
Patent Number:	9813248
Patent Number:	9640177
Patent Number:	9847941
Patent Number:	9871814
Patent Number:	9875466
Patent Number:	9792169
Patent Number:	9888011
Patent Number:	9917853
Patent Number:	9641534
Patent Number:	9792102
Patent Number:	9904536
Patent Number:	9495437
Patent Number:	9830213
Patent Number:	9923853
Patent Number:	9723027
Patent Number:	9503425
Patent Number:	9723171
Patent Number:	9843651
Patent Number:	9613043
Patent Number:	9922352
Patent Number:	9923856
Patent Number:	9753648
Patent Number:	9881172
Patent Number:	9600488
Patent Number:	9736048
Patent Number:	9800994

Property Type	Number
Patent Number:	9736215
Patent Number:	9917979
Patent Number:	9838357
Patent Number:	9800417
Patent Number:	9787757
Patent Number:	9825921
Patent Number:	9690790
Patent Number:	9800598
Patent Number:	7287186
Patent Number:	9501576
Application Number:	11738952
Application Number:	12036167
Application Number:	12914767
Application Number:	13474339
Application Number:	13489276
Application Number:	13658724
Application Number:	14014637
Application Number:	14153218
Application Number:	14178158
Application Number:	14178165
Application Number:	14248215
Application Number:	14248234
Application Number:	14249147
Application Number:	14265973
Application Number:	14297944
Application Number:	14305249
Application Number:	14325074
Application Number:	14335205
Application Number:	14536062
Application Number:	14562453
Application Number:	14562474
Application Number:	14562502
Application Number:	14605229
Application Number:	14607907
Application Number:	14610259
Application Number:	14613917
Application Number:	14619897
Application Number:	14629583

Property Type	Number
Application Number:	14631826
Application Number:	14633826
Application Number:	14640706
Application Number:	14645129
Application Number:	14645393
Application Number:	14657904
Application Number:	14660697
Application Number:	14665315
Application Number:	14666410
Application Number:	14672715
Application Number:	14674270
Application Number:	14683416
Application Number:	14692169
Application Number:	14695681
Application Number:	14700444
Application Number:	14706060
Application Number:	14719121
Application Number:	14722055
Application Number:	14722125
Application Number:	14722914
Application Number:	14725778
Application Number:	14731271
Application Number:	14731278
Application Number:	14731283
Application Number:	14738087
Application Number:	14741021
Application Number:	14815221
Application Number:	14819233
Application Number:	14821635
Application Number:	14835530
Application Number:	14842693
Application Number:	14844951
Application Number:	14845756
Application Number:	14858341
Application Number:	14861608
Application Number:	14867615
Application Number:	14869758
Application Number:	14870470

Property Type	Number
Application Number:	14875120
Application Number:	14875136
Application Number:	14877391
Application Number:	14879657
Application Number:	14886884
Application Number:	14919930
Application Number:	14929460
Application Number:	14929482
Application Number:	14931454
Application Number:	14934720
Application Number:	14938580
Application Number:	14942776
Application Number:	14948133
Application Number:	14956298
Application Number:	14956464
Application Number:	14960043
Application Number:	14962211
Application Number:	14964027
Application Number:	14965859
Application Number:	14975625
Application Number:	14980009
Application Number:	14981299
Application Number:	14989654
Application Number:	14989657
Application Number:	14991567
Application Number:	14994328
Application Number:	14996133
Application Number:	15000867
Application Number:	15005846
Application Number:	15006875
Application Number:	15006891
Application Number:	15008081
Application Number:	15009617
Application Number:	15010960
Application Number:	15017107
Application Number:	15019756
Application Number:	15040793
Application Number:	15048563

Property Type	Number
Application Number:	15055901
Application Number:	15061209
Application Number:	15061241
Application Number:	15061260
Application Number:	15062905
Application Number:	15072715
Application Number:	15072987
Application Number:	15073154
Application Number:	15081014
Application Number:	15081104
Application Number:	15084677
Application Number:	15085180
Application Number:	15132120
Application Number:	15136464
Application Number:	15136505
Application Number:	15136586
Application Number:	15138701
Application Number:	15142351
Application Number:	15150592
Application Number:	15154062
Application Number:	15155243
Application Number:	15158826
Application Number:	62321655
Application Number:	62321658
Application Number:	62321661
Application Number:	13664658
Application Number:	13786759
Application Number:	13952062
Application Number:	14319136
Application Number:	14327006
Application Number:	14453150
Application Number:	14453158
Application Number:	14453165
Application Number:	14453173
Application Number:	14850096
Application Number:	14884583
Application Number:	15017079
Application Number:	15075526

Property Type	Number
Application Number:	14688511
Application Number:	14710083
Application Number:	14719224
Application Number:	15060913
Application Number:	15171330
Application Number:	15171408
Application Number:	15206805
Application Number:	15217794
Application Number:	15217801
Application Number:	15217809
Application Number:	15220018
Application Number:	15226747
Application Number:	15248275
Application Number:	15256449
Application Number:	15256853
Application Number:	15260200
Application Number:	15289769
Application Number:	15291886
Application Number:	15602483
Application Number:	15633458
Application Number:	15636148
Application Number:	15690642
Application Number:	15695979
Application Number:	15709242
Application Number:	15852428
Application Number:	15664849
Application Number:	15691347
Application Number:	15080755
Application Number:	15198739
Application Number:	15201655
Application Number:	15201657
Application Number:	12605193
Application Number:	15365812
Application Number:	15403368
Application Number:	15696062
Application Number:	15792528
Application Number:	15799257
Application Number:	15806198

Property Type	Number
Application Number:	15812908
Application Number:	15824888
Application Number:	15832563
Application Number:	15846908
Application Number:	15920346
Application Number:	15926915
Application Number:	15944253
Application Number:	15445485
Application Number:	95001458
Application Number:	95001872

CORRESPONDENCE DATA

Fax Number: (212)751-4864

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.

Phone: 212-906-1216

Email: angela.amaru@lw.com

Correspondent Name: LATHAM & WATKINS LLP C/O ANGELA M. AMARU

Address Line 1: 885 THIRD AVENUE

Address Line 4: NEW YORK, NEW YORK 10022

ATTORNEY DOCKET NUMBER:	030786-0878
NAME OF SUBMITTER:	ANGELA M. AMARU
SIGNATURE:	/S/ Angela M. Amaru
DATE SIGNED:	06/07/2018

Total Attachments: 31

- source=Quest - Second Lien IPSA - Patent [Executed#page1.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page2.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page3.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page4.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page5.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page6.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page7.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page8.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page9.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page10.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page11.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page12.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page13.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page14.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page15.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page16.tif
- source=Quest - Second Lien IPSA - Patent [Executed#page17.tif

source=Quest - Second Lien IPSA - Patent [Executed#page18.tif
source=Quest - Second Lien IPSA - Patent [Executed#page19.tif
source=Quest - Second Lien IPSA - Patent [Executed#page20.tif
source=Quest - Second Lien IPSA - Patent [Executed#page21.tif
source=Quest - Second Lien IPSA - Patent [Executed#page22.tif
source=Quest - Second Lien IPSA - Patent [Executed#page23.tif
source=Quest - Second Lien IPSA - Patent [Executed#page24.tif
source=Quest - Second Lien IPSA - Patent [Executed#page25.tif
source=Quest - Second Lien IPSA - Patent [Executed#page26.tif
source=Quest - Second Lien IPSA - Patent [Executed#page27.tif
source=Quest - Second Lien IPSA - Patent [Executed#page28.tif
source=Quest - Second Lien IPSA - Patent [Executed#page29.tif
source=Quest - Second Lien IPSA - Patent [Executed#page30.tif
source=Quest - Second Lien IPSA - Patent [Executed#page31.tif

SECOND LIEN PATENT SECURITY AGREEMENT

This SECOND LIEN PATENT SECURITY AGREEMENT, dated as of May 18, 2018 (this “Agreement”), is made by Quest Software Inc., a Delaware corporation (“**Grantor**”), in favor of **CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH**, as the Collateral Agent (in such capacity, together with its successors and permitted assigns, herein called the “**Collateral Agent**”) for the Secured Parties.

WHEREAS, the Grantor is party to a Second Lien Security Agreement dated as of May 18, 2018 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “**Security Agreement**”), by and among the Grantor, the other grantors party thereto and the Collateral Agent pursuant to which the Grantor granted a security interest to the Collateral Agent (for the benefit of the Secured Parties) in the Patent Collateral (as defined below); and

WHEREAS, pursuant to the Security Agreement, Grantor has agreed to execute and deliver this Agreement in order to record such security interest with the United States Patent and Trademark Office.

Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them (including by reference) in the Security Agreement.

NOW, THEREFORE, in consideration of the foregoing and for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, subject to the terms and conditions of the Security Agreement, to evidence further the security interest granted by Grantor to the Collateral Agent pursuant to the Security Agreement, Grantor hereby grants to the Collateral Agent (for the benefit of the Secured Parties) a security interest in all of Grantor’s right, title and interest in and to the following, in each case whether now owned or existing or hereafter acquired, possessed or arising and wherever located (collectively, the “**Patent Collateral**”), other than Excluded Property:

- (i) all patents and patent applications and rights and interests in patents and patent applications under any domestic or foreign law (including, without limitation, the patents and patent applications set forth on Schedule A annexed hereto), all re-issues, divisions, continuations, renewals, extensions and continuations in-part thereof and all rights corresponding thereto;
- (ii) the right to sue or otherwise recover for any past, present and future infringement, or other violation or impairment of any of the foregoing; and
- (iii) all Proceeds of the foregoing, including all license fees, royalties, income, payments, claims, damages and proceeds of suit, now or hereafter due and/or payable with respect to any of the foregoing.

Grantor does hereby further acknowledge and affirm that the rights and remedies of the Collateral Agent with respect to the security interest in the Patent Collateral granted hereby are more fully set forth in the Security Agreement, the terms and conditions of which are hereby incorporated by

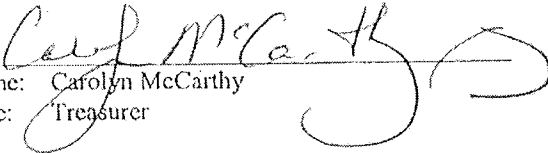
reference as if fully set forth herein. In the event that any provision of this Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control.

THIS AGREEMENT SHALL BE CONSTRUED IN ACCORDANCE WITH AND GOVERNED BY THE LAW OF THE STATE OF NEW YORK, WITHOUT REGARD TO CONFLICT OF LAWS PRINCIPLES THEREOF TO THE EXTENT SUCH PRINCIPLES WOULD CAUSE THE APPLICATION OF THE LAW OF ANOTHER STATE, EXCEPT TO THE EXTENT THAT THE UCC PROVIDES THAT THE PERFECTION OF THE SECURITY INTEREST HEREUNDER, OR REMEDIES HEREUNDER, IN RESPECT OF ANY PARTICULAR PATENT COLLATERAL ARE GOVERNED BY THE LAWS OF A JURISDICTION OTHER THAN THE STATE OF NEW YORK, IN WHICH CASE THE LAWS OF SUCH JURISDICTION SHALL GOVERN WITH RESPECT TO THE PERFECTION OF THE SECURITY INTEREST IN, OR THE REMEDIES WITH RESPECT TO, SUCH PARTICULAR PATENT COLLATERAL.

This Agreement may be executed in one or more counterparts and by different parties hereto in separate counterparts, each of which when so executed and delivered shall be deemed an original, but all such counterparts together shall constitute but one and the same instrument; signature pages may be detached from multiple separate counterparts and attached to a single counterpart so that all signature pages are physically attached to the same document. Delivery of an executed signature page to this Agreement by facsimile transmission or other electronic communication shall be as effective as delivery of a manually signed counterpart of this Agreement.

IN WITNESS WHEREOF, each Grantor has caused this Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.


QUEST SOFTWARE INC.,
a Delaware corporation,
as Grantor

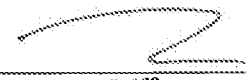
By: 
Name: Carolyn McCarthy
Title: Treasurer

[Signature Page to Patent Security Agreement (Second Lien)]

ACCEPTED AND AGREED:

CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH,
as Collateral Agent

By: 
Name: MIKHAIL FAYBUSOVICH
Title: AUTHORIZED SIGNATORY

By: 
Name: Andrew Griffin
Title: Authorized Signatory

[Signature Page to Patent Security Agreement (Second Lien)]

**SCHEDULE A
TO
SECOND LIEN PATENT SECURITY AGREEMENT**

U.S. Issued Patents:

Application Number	Patent Number	Filing Date	Title
09489759	6871221	01/21/2000	METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL
09712890	6834290	11/15/2000	SYSTEM AND METHOD FOR DEVELOPING A COST-EFFECTIVE REORGANIZATION PLAN FOR DATA REORGANIZATION
09713479	7805423	11/15/2000	SYSTEM AND METHOD FOR QUIESCING SELECT DATA MODIFICATION OPERATIONS AGAINST AN OBJECT OF A DATABASE DURING ONE OR MORE STRUCTURAL OPERATIONS
09782586	7065538	02/12/2001	SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE
09850877	6928471	05/07/2001	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY
09853371	6944798	05/11/2001	GRACEFUL DEGRADATION SYSTEM
10167229	7657616	06/10/2002	AUTOMATIC DISCOVERY OF USERS ASSOCIATED WITH SCREEN NAMES
10459111	7818565	06/10/2003	SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES
10459408	7707401	06/10/2003	SYSTEMS AND METHODS FOR A PROTOCOL GATEWAY
10459421	7664822	06/10/2003	SYSTEMS AND METHODS FOR AUTHENTICATION OF TARGET PROTOCOL SCREEN NAMES
10459725	7428590	06/10/2003	SYSTEMS AND METHODS FOR REFLECTING MESSAGES ASSOCIATED WITH A TARGET PROTOCOL WITHIN A NETWORK
10661412	7231391	09/11/2003	LOOSELY COUPLED DATABASE CLUSTERS WITH CLIENT CONNECTION FAIL-OVER
10700615	7469278	11/04/2003	VALIDATION OF PORTABLE COMPUTER TYPE PRIOR TO CONFIGURATION OF A LOCAL RUN-TIME ENVIRONMENT
10700616	7293087	11/04/2003	EVENT-BASED APPLICATION FOR PERFORMING CONFIGURATION CHANGES IN A NETWORKED ENVIRONMENT

Application Number	Patent Number	Filing Date	Title
10700617	7353262	11/04/2003	VALIDATION OF CONFIGURATION SETTINGS PRIOR TO CONFIGURATION OF LOCAL RUN-TIME ENVIRONMENT
10841398	7096392	05/07/2004	METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION
10842286	7565661	05/10/2004	METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES
10846609	7913043	05/14/2004	METHOD FOR BACKUP STORAGE DEVICE SELECTION
10862971	7680834	06/08/2004	METHOD AND SYSTEM FOR NO DOWNTIME RESYNCHRONIZATION FOR REAL-TIME, CONTINUOUS DATA PROTECTION
10863117	7519870	06/08/2004	METHOD AND SYSTEM FOR NO DOWNTIME, INITIAL DATA UPLOAD FOR REAL-TIME, CONTINUOUS DATA PROTECTION
10888845	7617501	07/09/2004	APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM
10943541	7979404	09/17/2004	EXTRACTING DATA CHANGES AND STORING DATA HISTORY TO ALLOW FOR INSTANTANEOUS ACCESS TO AND RECONSTRUCTION OF ANY POINT-IN-TIME DATA
10950355	7769004	09/24/2004	NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER
10980875	7836014	11/03/2004	HYBRID REAL-TIME DATA REPLICATION
11053770	7643484	02/09/2005	NETWORK ABSTRACTION AND ISOLATION LAYER RULES-BASED FEDERATION AND MASQUERADING
11076540	7814260	03/09/2005	TAPE IMAGE ON NON-TAPE STORAGE DEVICE
11123994	8108429	05/06/2005	SYSTEM FOR MOVING REAL-TIME DATA EVENTS ACROSS A PLURALITY OF DEVICES IN A NETWORK FOR SIMULTANEOUS DATA PROTECTION, REPLICATION, AND ACCESS SERVICES
11152351	7979650	06/13/2005	DISCOVERING DATA STORAGE FOR BACKUP
11185168	7689602	07/20/2005	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM
11185313	7788521	07/20/2005	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION

Application Number	Patent Number	Filing Date	Title
11198019	7565336	08/04/2005	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY
11198061	7681104	08/05/2005	METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK
11198062	7681105	08/05/2005	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK
11198912	7539655	08/04/2005	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY
11217513	7185237	09/01/2005	SYSTEMS AND METHODS FOR PROVIDING FOR DEGRADATION OF A COMPUTER APPLICATION
11264110	7904913	11/01/2005	MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION
11294739	7774832	12/06/2005	SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES
11300097	7760640	12/13/2005	ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE
11311215	7904949	12/19/2005	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION
11352693	8087075	02/13/2006	DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS
11419958	7870354	05/23/2006	DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES
11424874	8429712	06/18/2006	CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD
11439073	7461103	05/23/2006	SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE
11457228	7814460	07/13/2006	HIERARCHICAL MODULAR SOFTWARE PACKAGES AND ASSOCIATED DEVELOPMENT TOOL
11471313	7512682	06/20/2006	DATABASE CLUSTER SYSTEMS AND METHODS FOR MAINTAINING CLIENT CONNECTIONS
11507257	7363549	08/21/2006	METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION
11535317	7818801	09/26/2006	FILE SYSTEM EVENT TRACKING
11556470	7756981	11/03/2006	SYSTEMS AND METHODS FOR REMOTE ROGUE PROTOCOL ENFORCEMENT

Application Number	Patent Number	Filing Date	Title
11619396	7801975	01/03/2007	MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT
11690254	8078728	03/23/2007	CAPACITY POOLING FOR APPLICATION RESERVATION AND DELIVERY
11749559	7979245	05/16/2007	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING COMPUTING RESOURCE PERFORMANCE
11754891	7606839	05/29/2007	SYSTEMS AND METHODS FOR PROVIDING CLIENT CONNECTION FAIL-OVER
11823108	7783510	06/25/2007	COMPUTER STORAGE CAPACITY FORECASTING SYSTEM USING CLUSTER-BASED SEASONALITY ANALYSIS
11823111	7788127	06/25/2007	FORECAST MODEL QUALITY INDEX FOR COMPUTER STORAGE CAPACITY PLANNING
11850561	8601539	09/05/2007	SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS
11869575	7882265	10/09/2007	SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK
11926512	7895332	10/29/2007	IDENTITY MIGRATION SYSTEM APPARATUS AND METHOD
11928887	8086710	10/30/2007	IDENTITY MIGRATION APPARATUS AND METHOD
11934610	7979494	11/02/2007	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS
11947695	8127316	11/29/2007	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS
11951008	8234253	12/05/2007	SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA
12023920	8001074	01/31/2008	FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR
12059505	8131723	03/31/2008	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY
12099837	8364648	04/09/2008	RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY
12182364	8046550	07/30/2008	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES
12339053	8194674	12/19/2008	SYSTEM AND METHOD FOR AGGREGATING COMMUNICATIONS AND FOR TRANSLATING BETWEEN OVERLAPPING INTERNAL NETWORK ADDRESSES AND UNIQUE EXTERNAL NETWORK ADDRESSES
12370399	8175863	02/12/2009	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS

Application Number	Patent Number	Filing Date	Title
12395524	8903983	02/27/2009	METHOD, SYSTEM AND APPARATUS FOR MANAGING, MODELING, PREDICTING, ALLOCATING AND UTILIZING RESOURCES AND BOTTLENECKS IN A COMPUTER NETWORK
12400559	8935701	03/09/2009	UNIFIED MANAGEMENT PLATFORM IN A COMPUTER NETWORK
12474688	8015454	05/29/2009	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS
12475729	8108476	06/01/2009	HIGH PERFORMANCE ELECTRONIC MESSAGE DELIVERY ENGINE
12488657	8060889	06/22/2009	METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES
12500109	7941385	07/09/2009	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY
12502035	8135930	07/13/2009	REPLICATION SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT
12502052	8060476	07/13/2009	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT
12511436	7970843	07/29/2009	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY
12559156	8311985	09/14/2009	REMOTE BACKUP AND RESTORE SYSTEM AND METHOD
12566231	8429649	09/24/2009	SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT
12567069	8452731	09/25/2009	REMOTE BACKUP AND RESTORE
12575342	8171201	10/07/2009	SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE
12612569	8245242	11/04/2009	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER
12691616	7979441	01/21/2010	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM
12695385	8086937	01/28/2010	METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK
12695407	8051361	01/28/2010	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK
12725191	8260750	03/16/2010	INTELLIGENT BACKUP ESCALATION SYSTEM

Application Number	Patent Number	Filing Date	Title
12762162	8996468	04/16/2010	BLOCK STATUS MAPPING SYSTEM FOR REDUCING VIRTUAL MACHINE BACKUP STORAGE
12770354	7912929	04/29/2010	MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT
12816460	8687490	06/16/2010	ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE
12838009	8331391	07/16/2010	NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER
12844297	8086782	07/27/2010	TAPE IMAGE ON NON-TAPE STORAGE DEVICE
12845215	8151140	07/28/2010	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION
12869138	7970748	08/26/2010	SYSTEMS AND METHODS FOR REORGANIZING A DATABASE OBJECT
12878609	8332942	09/09/2010	FILE SYSTEM EVENT TRACKING
12901824	8195628	10/11/2010	METHOD AND SYSTEM FOR DATA REDUCTION
12901888	8544023	10/11/2010	MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION
12901925	8938419	10/11/2010	HYBRID REAL-TIME DATA REPLICATION
12906653	8229962	10/18/2010	LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS
12939637	8499001	11/04/2010	SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA
12959913	8438352	12/03/2010	DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES
13016899	8195833	01/28/2011	SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK
13022858	8171247	02/08/2011	METHOD FOR BACKUP STORAGE DEVICE SELECTION
13092051	8639827	04/21/2011	SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES
13101863	8453145	05/05/2011	SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES
13114282	8156192	05/24/2011	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY
13158204	9047574	11/06/2013	STORAGE CAPACITY PLANNING
13179356	8185598	07/08/2011	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS
13179405	8175862	07/08/2011	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES
13179813	8145864	07/11/2011	DISCOVERING DATA STORAGE FOR BACKUP

Application Number	Patent Number	Filing Date	Title
13179904	8200706	07/11/2011	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM
13209018	8332346	08/12/2011	FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR
13218362	8898114	08/25/2011	MULTITIER DEDUPLICATION SYSTEMS AND METHODS
13225258	8347148	09/02/2011	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS
13228351	9141442	9/8/2011	AUTOMATED CONNECTOR CREATION FOR PROVISIONING SYSTEMS
13235254	8527543	09/16/2011	SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING
13241004	8205139	09/22/2011	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK
13242916	8352523	09/23/2011	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY
13244167	8166265	09/23/2011	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES
13244187	8375003	09/23/2011	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT
13324874	8346908	12/13/2011	IDENTITY MIGRATION APPARATUS AND METHOD
13333650	8584218	12/21/2011	DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS
13366166	8738972	02/03/2012	SYSTEMS AND METHODS FOR REAL-TIME MONITORING OF VIRTUALIZED ENVIRONMENTS
13368240	9311375	02/07/2012	SYSTEMS AND METHODS FOR COMPACTING A VIRTUAL MACHINE FILE
13406305	8650578	02/27/2012	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS
13416283	8312093	03/09/2012	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY
13425166	8271755	03/20/2012	DISCOVERING DATA STORAGE FOR BACKUP
13436624	8375248	03/30/2012	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY
13445130	8255654	04/12/2012	METHOD FOR BACKUP STORAGE DEVICE SELECTION

Application Number	Patent Number	Filing Date	Title
13448010	8335902	04/16/2012	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES
13448220	8332571	04/16/2012	SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE
13451274	9215142	04/29/2012	COMMUNITY ANALYSIS OF COMPUTING PERFORMANCE
13455583	8266231	04/25/2012	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS
13464042	8364460	05/04/2012	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS
13465708	8892415	05/07/2012	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES
13486989	8650167	06/01/2012	METHOD AND SYSTEM FOR DATA REDUCTION
13489751	8429198	06/06/2012	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM
13492330	9122627	06/08/2012	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK
13534435	8365017	06/27/2012	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY
13535031	8688644	06/27/2012	SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA
13546194	8700667	07/11/2012	LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS
13563490	8533744	07/31/2012	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER
13658732	8838654	10/23/2012	DATA MODELING SYSTEM FOR RUNTIME SCHEMA EXTENSIBILITY
13670282	8640232	11/06/2012	FILE SYSTEM EVENT TRACKING
13686700	8966045	11/27/2012	IDENTITY MIGRATION APPARATUS AND METHOD
13713424	9098624	12/13/2012	DEEP TYPE PARSING
13714829	8972347	12/14/2012	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY
13721588	8639974	12/20/2012	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY
13721769	9122718	12/20/2012	DYNAMIC DIRECTORY CONTROL EXECUTION
13721811	9165027	12/20/2012	DYNAMIC DIRECTORY CONTROL REGISTRATION

Application Number	Patent Number	Filing Date	Title
13725008	8887009	12/21/2012	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS
13745677	9275172	1/18/2013	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS
13752020	8712970	01/28/2013	RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY
13764011	9311318	02/11/2013	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT
13789529	RE45327 Reissue of 7904949	03/07/2013	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION
13826733	9338255	03/14/2013	SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACKEND-PERFORMANCE DATA
13836840	9372942	03/15/2013	SYSTEM AND METHOD FOR FACILITATING DATA VISUALIZATION VIA A MAP-REDUCE FRAMEWORK
13837740	8966503	03/15/2013	SYSTEM AND METHOD FOR CORRELATING ANOMALOUS EVENTS
13850164	8856790	03/25/2013	SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT
13864866	8978098	4/17/2013	CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD
13869071	9405776	04/02/2013	REMOTE BACKUP AND RESTORE
13869188	9032403	04/24/2013	SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES
13906255	9390240	06/23/2014	SYSTEM AND METHOD FOR QUERYING DATA
13906262	9164820	5/30/2013	SYSTEM AND METHOD FOR CORRECTING SCRAMBLED MESSAGES
13934912	9047272	07/03/2013	SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA
14010314	8898136	08/26/2013	SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING
14014707	9245248	8/30/2013	DATA METRIC RESOLUTION PREDICTION SYSTEM AND METHOD
14021852	8713583	09/09/2013	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER
14047162	9317574	10/07/2013	SYSTEM AND METHOD FOR MANAGING AND IDENTIFYING SUBJECT MATTER EXPERTS
14073822	9183272	12/20/2012	SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES

Application Number	Patent Number	Filing Date	Title
14073823	9288060	11/06/2013	SYSTEM AND METHOD FOR DECENTRALIZED AUTHENTICATION OF SUPPLICANT DEVICES
14076913	9288201	11/11/2013	DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS
14082397	8938781	11/18/2013	SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS
14149658	9202043	01/30/2014	SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES
14153607	9195823	01/13/2014	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS
14159593	9442818	01/21/2014	SYSTEM AND METHOD FOR DYNAMIC DATA COLLECTION
14263699	9130847	04/28/2014	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER
14298095	9349016	06/06/2014	SYSTEM AND METHOD FOR USER-CONTEXT-BASED DATA LOSS PREVENTION
14472329	9405699	08/28/2014	SYSTEMS AND METHODS FOR OPTIMIZING COMPUTER PERFORMANCE
14607776	9274758	01/28/2015	SYSTEM AND METHOD FOR CREATING CUSTOMIZED PERFORMANCE-MONITORING APPLICATIONS
95001458	Reexamination Certificate issued 7617501	09/20/2010	APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM
95001872	Reexamination Certificate issued 7904949	01/12/2012	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION
11774267	7961959	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE
11774272	7961960	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE
11774278	7881544	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE
11774297	7936932	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE
11774310	7970216	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE
11774319	7974478	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE
11774333	7885988	07/06/2007	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE

Application Number	Patent Number	Filing Date	Title
12038219	8224831	02/27/2008	VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION
12038223	8219534	02/27/2008	MULTIPLE FILE COMPACTION FOR NETWORK ATTACHED STORAGE
12573690	8386443	10/05/2009	REPRESENTING AND STORING AN OPTIMIZED FILE SYSTEM USING A SYSTEM OF SYMLINKS, HARMLINKS AND FILE ARCHIVES
12574580	8862559	10/06/2009	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET
12574990	8694466	10/07/2009	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS
12624354	8423520	11/23/2009	METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION
12954348	8965852	11/24/2010	METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION
13041282	8849773	03/04/2011	METHODS AND APPARATUS FOR ACTIVE OPTIMIZATION OF DATA
13081335	9323778	04/06/2011	VIRTUAL DISK UTILITY
13158289	9400799	06/10/2011	DATA BLOCK MIGRATION
13158292	9201890	06/10/2011	STORAGE OPTIMIZATION MANAGER
13243965	9442951	09/23/2011	MAINTAINING DEDUPLICATION DATA IN NATIVE FILE FORMATS
13243985	9449013	09/23/2011	APPLICATION TRANSPARENT DEDUPLICATION DATA
13306878	9449014	11/29/2011	RESYNCHRONIZATION OF REPLICATED DATA
13415324	9256609	03/08/2012	FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS
13491679	8655898	06/08/2012	VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION
13560762	9210044	07/27/2012	AUTOMATED REMEDIATION WITH AN APPLIANCE
13678881	8965850	11/16/2012	METHOD OF AND SYSTEM FOR MERGING, STORING AND RETRIEVING INCREMENTAL BACKUP DATA
13739731	9389879	01/11/2013	SYSTEM AND METHOD FOR MANIPULATING USER-INTERFACE DISPLAY ITEMS FOR WEB WIDGETS
13748743	9448948	01/24/2013	EFFICIENT REPLICA CLEANUP DURING RESYNCHRONIZATION
13784575	9250819	03/04/2013	A LEARNING MACHINE TO OPTIMIZE RANDOM ACCESS IN A STORAGE SYSTEM
13862911	9367558	04/15/2013	METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION
14010495	8892528	08/26/2013	ACCELERATED DEDUPLICATION

Application Number	Patent Number	Filing Date	Title
14021852	8713583	09/09/2013	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER
14154961	9460178	01/14/2014	SYNCHRONIZED STORAGE SYSTEM OPERATION
14245084	9251161	04/04/2014	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS
14498597	9311322	09/26/2014	HEAT INDICES FOR FILE SYSTEMS AND BLOCK STORAGE
14507731	9262432	10/06/2014	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET
12537831	9778946	08/07/2009	OPTIMIZED COPY OF VIRTUAL MACHINE STORAGE FILES
12902930	9547562	10/12/2010	BOOT RESTORE SYSTEM FOR RAPIDLY RESTORING VIRTUAL MACHINE BACKUPS
13098298	9886483	04/29/2011	SYSTEM FOR PROVIDING STRUCTURED QUERY LANGUAGE ACCESS TO NON-RELATIONAL DATA STORES
13156199	9569446	06/08/2011	CATALOGING SYSTEM FOR IMAGE-BASED BACKUP
13343924	9559859	01/05/2012	HOME HUB
13555534	9563632	07/23/2012	GARBAGE COLLECTION AWARE DEDUPLICATION
13594431	9495222	08/24/2012	SYSTEMS AND METHODS FOR PERFORMANCE INDEXING
13658709	9557879	10/23/2012	SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS
13658747	9507820	10/23/2012	DATA MODELING SYSTEM FOR ENABLING RUNTIME SCHEMA EXTENSIBILITY
13743191	9672078	01/16/2013	DEPLOYMENT AND MANAGEMENT OF VIRTUAL CONTAINERS
13786781	9594643	03/06/2013	HANDLING RESTORES IN AN INCREMENTAL BACKUP STORAGE SYSTEM
13804064	9948648	03/14/2013	SYSTEM AND METHOD FOR ENFORCING ACCESS CONTROLS TO PUBLICLY-ACCESSIBLE WEB APPLICATIONS
13804476	9569287	03/14/2013	SYSTEM AND METHOD FOR INTERACTIVE TUTORIALS
13906241	9779260	05/30/2013	SYSTEM AND METHOD FOR DATA AGGREGATION AND ANALYSIS
13906246	9501744	05/30/2013	SYSTEM AND METHOD FOR CLASSIFYING DATA
13935075	9571348	06/03/2013	SYSTEM AND METHOD FOR INFERRING AND ADAPTING A NETWORK TOPOLOGY
13937150	9753937	07/08/2013	FILE AWARE BLOCK LEVEL DEDUPLICATION

Application Number	Patent Number	Filing Date	Title
14089427	9578060	11/25/2013	SYSTEM AND METHOD FOR DATA LOSS PREVENTION ACROSS HETEROGENEOUS COMMUNICATIONS PLATFORMS
14191648	9760713	02/27/2014	SYSTEM AND METHOD FOR CONTENT-INDEPENDENT DETERMINATION OF FILE-SYSTEM-OBJECT RISK OF EXPOSURE
14193194	9906419	02/28/2014	DISCOVERING SITE OWNERS AND ENABLING COLLABORATION BETWEEN THEM IN A SHAREPOINT (OR SIMILAR) CORPORATE NETWORK
14264889	9558246	04/29/2014	A METHOD FOR IDENTIFYING GROUPINGS OF USER ACTIVITY USING THE K-MEANS CLUSTERING ALGORITHM APPLIED TO TEMPORAL ACTIVITY DATA
14292135	9479414	05/30/2014	CORRELATING PERFORMANCE ISSUES AND ERRORS TO FIND CORRELATION ACROSS FACTORS
14311485	9600490	06/23/2014	INTELLIGENT DEDUPLICATION DATA PREFETCHING
14453121	9917894	08/06/2014	ACCELERATING TRANSFER PROTOCOLS
14518063	9569456	10/20/2014	ACCELERATED DEDUPLICATION
14521035	9698825	10/22/2014	FAST UPDATE OF DATA PACKET CHECKSUMS
14541791	9881159	11/14/2014	METHOD FOR SECURELY DESCRIBING AND NEGOTIATING SECURITY REQUIREMENTS FOR WORKLOADS
14556157	9917882	11/30/2014	TRANSPARENT DEFERRED SPOOLING STORE AND FORWARD BASED ON STANDARD NETWORK SYSTEM AND CLIENT INTERFACE
14568386	9910868	10/12/2014	IDENTIFICATION AND RESOLUTION OF DUPLICATE INDEXES IN RELATIONAL DATABASE MANAGEMENT SYSTEMS
14588181	9805040	12/31/2014	EMAIL AND IDENTITY MIGRATION BASED ON RELATIONSHIP INFORMATION
14589760	9477490	01/05/2015	MILESTONE BASED DYNAMIC MULTIPLE WATCHDOG TIMEOUTS AND EARLY FAILURE DETECTION
14596186	9678974	01/13/2015	METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION
14603197	9838366	01/22/2015	SECURE SHELL PUBLIC KEY AUDIT SYSTEM
14619853	9690576	02/11/2015	SELECTIVE DATA COLLECTION USING A MANAGEMENT SYSTEM
14666180	9608959	03/23/2015	NON RFC COMPLIANT PROTOCOL CLASSIFICATION BASED ON REAL USE
14672675	9465642	03/30/2015	HOST SOFTWARE BASED OPTIMIZED INSTANT CLONES

Application Number	Patent Number	Filing Date	Title
14672791	9904707	03/30/2015	METHOD AND SYSTEM TO IMPROVE THE LOOKUP OF ESTIMATES OF INFORMATION USING PATTERN BASED HEURISTICS
14683441	9842220	04/10/2015	SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT
14683453	9842218	04/10/2015	SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT
14683462	9563782	04/10/2015	SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT
14683465	9641555	04/10/2015	SYSTEMS AND METHODS OF TRACKING CONTENT-EXPOSURE EVENTS
14683513	9569626	04/10/2015	SYSTEMS AND METHODS OF REPORTING CONTENT-EXPOSURE EVENTS
14687732	9819630	04/15/2015	ENHANCED MANAGEMENT OF MIGRATION AND ARCHIVING OPERATIONS
14694634	9635045	04/23/2015	DETECTING UNAUTHORIZED, RISKY, OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF REMOTE SHELL PROTOCOL BANDWIDTH
14694647	9596249	04/23/2015	DETECTING SHARED OR COMPROMISED CREDENTIALS THROUGH ANALYSIS OF SIMULTANEOUS ACTIONS
14700502	9813422	04/30/2015	DETECTING UNAUTHORIZED RISKY OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF TASK COMPLETION TIMING
14702858	9934278	05/04/2015	METHOD OF OPTIMIZING COMPLEX SQL STATEMENTS USING A REGION DIVIDED PREFERENTIAL SQL REWRITE OPERATION
14705878	9769026	05/06/2015	DEVICE ASSET TRACKING AND SERVICE DESK USING AN EXTERNAL MANAGEMENT SYSTEM AS A DATA SOURCE
14722854	9813248	05/27/2015	CONTENT-BASED ENCRYPTION KEYS
14726971	9640177	06/02/2015	METHOD AND APPARATUS TO EXTRAPOLATE SARCASM AND IRONY USING MULTI-DIMENSIONAL MACHINE LEARNING BASED LINGUISTIC ANALYSIS
14731252	9847941	06/04/2015	SELECTIVELY SUPPRESS OR THROTTLE MIGRATION OF DATA ACROSS WAN CONNECTIONS
14797010	9871814	07/10/2015	SYSTEM AND METHOD FOR IMPROVING SECURITY INTELLIGENCE THROUGH INVENTORY DISCOVERY
14806072	9875466	07/22/2015	PROBABILITY BASED WHITELIST
14812823	9792169	07/29/2015	MANAGING ALERT PROFILES
14815866	9888011	07/31/2015	SOCIAL MEDIA LOGIN AND INTERACTION MANAGEMENT

Application Number	Patent Number	Filing Date	Title
14840739	9917853	08/31/2015	CORRELATING EVENT LOGS TO IDENTIFY A POTENTIAL SECURITY BREACH
14845050	9641534	09/03/2015	PROVIDING CONTROLLED ACCESS TO ADMIN CREDENTIALS DURING A MIGRATION
14845467	9792102	09/04/2015	IDENTIFYING ISSUES PRIOR TO DEPLOYING SOFTWARE
14858299	9904536	09/18/2015	RISK ANALYSIS AND EFFICIENT UPDATE FOR LARGE SCALE SHAREPOINT CONTENT CHANGES
14869072	9495437	09/29/2015	SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES
14872525	9830213	10/01/2015	COLLECTING AND TRANSMITTING DIAGNOSTICS INFORMATION FROM PROBLEMATIC DEVICES
14874587	9923853	10/05/2015	FOLDERS THAT EMPLOY DYNAMIC USER TRAINING RULES TO ORGANIZE CONTENT
14937776	9723027	11/10/2015	FIREWALL INFORMED BY WEB SERVER SECURITY POLICY IDENTIFYING AUTHORIZED RESOURCES AND HOSTS
14964502	9503425	12/09/2015	A METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)
14968455	9723171	12/14/2015	PRINTED DOCUMENT CONTROL WITH VERIFIED UNIQUE WATERMARKS
14976652	9843651	12/21/2015	A CENTRALIZED LANGUAGE MANAGEMENT SYSTEM TOOL FOR DISTRIBUTED SYSTEM
14996608	9613043	01/15/2016	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS
15005840	9922352	01/25/2016	MULTIDIMENSIONAL SYNOPSIS GENERATION
15018059	9923856	02/08/2016	DEPUTIZING AGENTS TO REDUCE A VOLUME OF EVENT LOGS SENT TO A COORDINATOR
15018809	9753648	02/08/2016	FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS
15055210	9881172	02/26/2016	SYSTEM AND METHOD FOR APPLYING DOCUMENT VERSIONING ACROSS AN ENTIRE ENTERPRISE
15067976	9600488	03/11/2016	HEAT INDICES FOR FILE SYSTEMS AND BLOCK STORAGE
15077891	9736048	03/22/2016	VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION
15094257	9800994	04/08/2016	SYSTEMS AND METHODS FOR CLOUD-BASED DEVICE CONFIGURATION MANAGEMENT OF HETEROGENEOUS DEVICES

Application Number	Patent Number	Filing Date	Title
15149750	9736215	05/09/2016	SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACK-END PERFORMANCE DATA
15631946	9917979	06/23/2017	PRINTED DOCUMENT CONTROL WITH VERIFIED UNIQUE WATERMARKS
15434603	9838357	02/16/2017	NON RFC-COMPLIANT PROTOCOL CLASSIFICATION BASED ON REAL USE
15397573	9800417	01/03/2017	SECURE NEIGHBOR DISCOVERY (SEND) USING PRE-SHARED KEY
15358872	9787757	11/22/2016	IDENTIFICATION OF CONTENT BY METADATA
15340449	9825921	11/01/2016	SECURING INTERNET OF THINGS COMMUNICATIONS ACROSS MULTIPLE VENDORS
12034300	9690790	02/20/2008	METHOD AND APPARATUS FOR EFFICIENTLY MERGING, STORING AND RETRIEVING INCREMENTAL DATA
15418958	9800598	01/30/2017	DETECTING SHARED OR COMPROMISED CREDENTIALS THROUGH ANALYSIS OF SIMULTANEOUS ACTIONS
10858295	7287186	06/01/2004	SHARED NOTHING VIRTUAL CLUSTER
14987698	9501576	12/14/2015	FAST IDENTIFICATION OF CONTENT

U.S. Patent Applications:

Application Number	Publication Number	Filing Date	Title
11738952	20080263644	04/23/2007	FEDERATED AUTHORIZATION FOR DISTRIBUTED COMPUTING
12036167	20080221974	02/22/2008	LAZY EVALUATION OF BULK FORECASTS
12914767		10/28/2010 (allowed)	SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO COMPUTER APPLICATIONS OR DATA
13474339			SYSTEMS AND METHODS FOR RESERVING CAPACITY FOR FUTURE VIRTUAL MACHINE DEPLOYMENTS
13489276	20120246646	06/05/2012	METHOD, SYSTEM AND APPARATUS FOR CALCULATING CHARGEBACK FOR VIRTUALIZED COMPUTING RESOURCES
13658724			SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS
14014637	20140095243	08/30/2013	DATA METRIC RESOLUTION RANKING SYSTEM AND METHOD
14153218			SYSTEM AND METHOD FOR PROACTIVE SCALING

Application Number	Publication Number	Filing Date	Title
14178158			SYSTEM AND METHOD FOR MANAGING A CLUSTERED RADIO NETWORK
14178165			SYSTEM AND METHOD FOR COLLECTING DATA FROM LOW-AVAILABILITY DEVICES
14248215			SYSTEM AND METHOD TO STORE SHARED SESSIONS WITH ENCRYPTION
14248234			RICH FORM GENERATOR FOR RESTFUL SERVICE
14249147			INTUITIVE REPRESENTATION OF END-TO-END PERFORMANCE DIAGNOSTIC MONITORING BASED ON DIFFERENTIAL ANALYSIS
14265973			ENTERPRISE MEETING / CONFERENCE RESOURCE ANALYTICS
14297944			METHOD FOR VARIABLE SECURITY / POLICY SETTINGS BASED ON USER CONTEXT
14305249			WEB SITE CERTIFICATE BYPASS ANALYSIS AND REPORTING
14319136	20150281281	06/30/2014	IDENTIFICATION OF UNAUTHORIZED APPLICATION DATA IN A CORPORATE NETWORK
14325074			SYSTEM AND METHOD TO INJECT ADDITIONAL PRIVILEGES WITHOUT CHANGING USER IDENTITY TO ENABLE USER WORKSPACE MANAGEMENT
14335205			TRACKING, CLASSIFYING AND REPORTING OF COMMUNICATION AND CONTENT EVENTS TO EMPLOYEES' PERFORMANCE OBJECTIVES AND GOALS
14536062	20160134571	11/07/2014	AUTOMATED LARGE ATTACHMENT PROCESSING DURING MIGRATION
14562453			THIS BINARY PACKING PROTOCOL MINIMIZES BYTES ACROSS THE NETWORK.
14562474			COMBINING RESPONSE TIME ANALYTICS, TOPOLOGY, AND MACHINE LEARNING BASED ON DIFFERENTIAL DIAGNOSTICS
14562502			TRANSIENT STORAGE OF TRACE DATA IN TIME-BOXED ARCHIVERS TO HANDLE PEAK LOAD
14605229	20160219008	01/26/2015	DYNAMICALLY PARTITIONING A MAILING LIST BASED ON A-PRIORI

Application Number	Publication Number	Filing Date	Title
			CATEGORIES AND CONTEXTUAL ANALYSIS
14607907			SYSTEM TO GENERATE DEPENDENCY TOPOLOGY MAP FOR CLOUD INFRASTRUCTURE
14610259	20160224556	01/30/2015	LOGICAL LEVEL PREDICTIVE CACHING FOR RELATIONAL DATABASES
14613917			HYBRID APPROACH TO STORAGE OF IT PERFORMANCE DATA IN AND INTEGRATED SOLUTION ENVIRONMENT
14619897			VISUAL FILTERING OF CODE CALL TREE DATA
14629583	20160246808	02/24/2015	FILE AND MOVE DATA TO SHRINK DATAFILES
14631826			SYSTEMS AND METHODS FOR EVENT-BASED AUTHENTICATION
14633826			VISUAL TRANSFORM AND CLEANSE BASED ITERATIVE QUERY BUILDER
14640706	20160259825	03/06/2015	DISCOVERY OF POTENTIAL PROBLEMATIC EXECUTION PLANS IN A BIND-SENSITIVE SQL STATEMENT
14645129	20160269329	03/11/2015	AUTOMATED LARGE FILE PROCESSING WITH EMBEDDED VISUAL CUES
14645393	20160267284	03/11/2015	METHOD AND SYSTEM FOR DESTROYING SENSITIVE ENTERPRISE DATA ON PORTABLE DEVICES
14657904	20160267612	03/13/2015	CENTRALLY MANAGED LICENSING IN A GLOBAL VPN INFRASTRUCTURE
14660697			SYSTEMS AND METHODS OF PATTERNIZING LOGGED USER-INITIATED EVENTS FOR SCHEDULING FUNCTIONS
14665315	20160285824	03/23/2015	FIREWALL MULTI LEVEL SECURITY DYNAMIC HOST BASED SANDBOX GENERATION FOR EMBEDDED URL LINKS
14666410			SYSTEMS AND METHODS FOR FACILITATING PORTABLE USER SESSIONS
14672715	(allowed)	03/03/2015	SYSTEM AND METHODS OF SECURING NETWORK-ACCESSIBLE PERIPHERAL DEVICES
14674270			SYSTEMS AND METHODS OF AUTOMATIC TRAINING INITIATION

Application Number	Publication Number	Filing Date	Title
			BASED ON AN ANALYSIS OF USER-INITIATED COMMUNICATION EVENTS
14683416	20160299946	04/10/2015	USAGE AND SYMPTOM ORIENTED SQL OPTIMIZATION
14692169	20160314170	04/21/2015	SQL JOIN PLAN REPRESENTATION
14695681	20160314147	04/24/2015	PARTITIONING TARGET DATA TO IMPROVE DATA REPLICATION PERFORMANCE
14700444	20160323381	04/30/2015	ACCESS TO DISPARATE CLOUD SERVICES
14706060	20160330138	05/07/2015	SELECTING A CLOUD FROM A PLURALITY OF CLOUDS FOR A WORKLOAD
14719121	20160342677	05/21/2015	METHOD FOR DETERMINING PREDICTIVE RESPONSE TIME ACROSS ENTERPRISE COMMUNICATION SYSTEMS
14719121	20160344672	05/21/2015	PROCESSING UNKNOWN OR UNEXPECTED PROPERTIES ENCOUNTERED DURING MIGRATION OR ARCHIVING OPERATIONS
14722055	20160344672	05/21/2015	REDUCING TRANSMISSION PATHWAY LENGTHS WITHIN A DISTRIBUTED NETWORK
14722125	20160352578	05/26/2015	SYSTEM AND METHOD FOR ADAPTIVE PATHS LOCATOR FOR VIRTUAL NETWORK FUNCTION LINKS
14722914	20160350301	05/27/2015	DATA FINGERPRINT STRENGTHENING
14725778			MODEL BASED SYSTEM AND METHODS TO GENERATE END-TO-END DEPENDENCY GRAPH IN MULTI-LAYER NETWORK FUNCTION VIRTUALIZATION MONITORING SYSTEMS
14731271	20160359953	06/04/2015	MIGRATION ENHANCED BY PRESENCE, INSTANT MESSAGING, AND LAST LOG-ON TIME
14731278	20160357438	06/04/2015	MIGRATE NICKNAME CACHE FOR EMAIL SYSTEMS AND DEVICES
14731283	20160357735	06/04/2015	DETERMINE CONFIDENCE OF MAIL ARCHIVE OWNERSHIP FROM SENDERS IN "SENT ITEMS" FOLDER
14738087	20160364423	06/12/2015	DYNAMICALLY OPTIMIZING DATA ACCESS PATTERNS USING PREDICTIVE CROWDSOURCING
14741021	20160371071	06/16/2015	A SYSTEM FOR ENABLING INDIVIDUAL TENANTS IN A MULTI-

Application Number	Publication Number	Filing Date	Title
			TENANT SAAS ENVIRONMENT TO CONTROL THEIR OWN UPGRADE TIMELINES ON AN ACCOUNT-BY-ACCOUNT BASIS.
14815221	20170034031	07/31/2015	AUTOMATIC DETERMINATION OF OPTIMAL TIME WINDOW FOR MIGRATION, BACKUP OR OTHER PROCESSES
14819233			SYSTEMS AND METHODS FOR TUNING CROSS-PLATFORM DATA COLLECTION
14821635	20170041431	08/07/2015	READ-AHEAD ON SIGNED CONNECTIONS WITH UNSIGNING INLINE TRANSPARENT PROXIES
14835530	20170063764	08/25/2015 (allowed)	DURING AN EMAIL MIGRATION, CONVERTING DISTRIBUTION LIST MESSAGES INTO SINGLE-INSTANCED CONTENT WITHIN A COLLABORATION PLATFORM GROUP
14842693	20170060957	09/01/2015	OPTIMIZED AND CONSISTENT REPLICATION OF FILE OVERWRITES
14844951	20170070464	09/03/2015	AUTOMATICALLY APPLYING DATA LOSS PREVENTION RULES DURING MIGRATION
14845756	20170070536	09/04/2015	GOVERNANCE POLICY FRAMEWORK FOR CLOUD RESOURCES
14858341			MODEL-BASED VDI MONITORING AND REMOTE DISPLAY SESSION LATENCY DIAGNOSTIC
14861608	20170083643	09/22/2015	SYSTEM AND METHOD FOR DUPLICATING CUSTOMER DEPLOYMENTS USING SANITIZED TOPOLOGIES
14867615	20170093782	09/28/2015	ELECTRONIC-MESSAGING SYSTEM INTERCEPTOR FORWARDING CLIENT NOTIFICATIONS
14869758	20170031715	09/29/2015	SIZING OF ONE OR MORE JOBS WITHIN ONE OR MORE TIME WINDOWS
14870470	20170093863	09/30/2015 (allowed)	COMBINING A SET OF RISK FACTORS TO PRODUCE A TOTAL RISK SCORE WITHIN A RISK ENGINE
14875120			PREDICTING QUALITY OF EXPERIENCE FOR VOIP CONFERENCES BASED ON CORRELATES OF SCHEDULING AND NATIVE QOE DATA
14875136			COMPRESSED METRIC FORMAT FOR MULTI-CORE CPU UTILIZATION

Application Number	Publication Number	Filing Date	Title
14877391	20170104761	10/07/2015	IDENTITY AUTHENTICATION USING MULTIPLE DEVICES
14879657	20170102938	10/09/2015	IDENTIFYING A POTENTIAL MENTOR FOR A COMPUTER-ADMINISTERED TEST
14886884			DYNAMIC PROFILE-BASED TIME SERIES COMPRESSION METHOD
14919930	20170116205	10/22/2015	EMAIL AND IDENTITY MIGRATION BASED ON MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS
14929460			AUGMENTED CONTENT-BASED CLASSIFICATION THROUGH COMMUNICATION USAGE TEXT ENRICHMENT TECHNIQUE
14929482			CONTEXT BASED LOG DIMENSIONS ANALYSIS (RE-SUBMISSION FOR 104091 - LOG EVENT AND PERFORMANCE METRICS CORRELATION)
14931454			AGENT MANAGED CONTAINER
14934720	20170132366	11/06/2015	PLATFORM FOR ADMINISTRATION OF PERSONAL HEALTH INFORMATION
14938580	20170132222	11/11/2015	DOCUMENT LINK MIGRATION
14942776	20170140338	11/16/2015	METHOD TO AUTOMATICALLY CREATE OFFICE 365 GROUPS USING MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS.
14948133	20170149690	11/20/2015	RESOURCE AWARE CLASSIFICATION SYSTEM
14956298	20170155622	12/01/2015	INTERNET OF THINGS DYNAMIC DATA LOSS PREVENTION
14956464	20170161503	12/02/2015	DETERMINING A RISK INDICATOR BASED ON CLASSIFYING DOCUMENTS USING A CLASSIFIER
14960043	20170161327	12/04/2015	DISTRIBUTED DATABASE DRIVER MIDDLEWARE
14962211	20170163650	12/08/2015	USAGE-BASED MODIFICATION OF USER PRIVILEGES
14964027	20170171831	12/09/2015	REGISTERING NETWORK DEVICES USING KNOWN HOST DEVICES
14965859	20170171227	12/10/2015	AUTOMATIC TUNNELS ROUTING LOOP ATTACK DEFENSE
14975625	20170180230	12/18/2015	TCP TRAFFIC PRIORITY CONTROL BASED ON TCP WINDOW ADJUSTMENT IN BANDWIDTH MANAGEMENT

Application Number	Publication Number	Filing Date	Title
14980009	20170187753	12/28/2015	CONTEXT-AWARE DELEGATION ENGINE
14981299	20170185798	12/28/2015	CONTROLLING CONTENT MODIFICATIONS BY ENFORCING ONE OR MORE CONSTRAINT LINKS
14989654	20170192854	01/06/2016	EMAIL RECOVERY VIA EMULATION AND INDEXING
14989657	20170193079	01/06/2016	SMART EXCHANGE DATABASE INDEX
14991567	20170104687	01/08/2016	MANAGING PERSISTENT COOKIES ON A CORPORATE WEB PORTAL
14994328	20170201879	01/13/2016	TEMPORARY DISPOSABLE PORTABLE IDENTIFIER
14996133	20170207989	01/14/2016	DYNAMIC DNS DESTINATION SELECTION
15000867	20170206247	01/19/2016	DELAYING ONE OR MORE SEARCHES TO CAUSE MULTIPLE SEARCHES TO LOAD AND EVALUATE SEGMENTS TOGETHER
15005846	20170214759	01/25/2016	OPTIMIZER MODULE IN HIGH LOAD CLIENT/SERVER SYSTEMS
15006875			PRIVACY ENABLED MOBILE DEVICE IDENTIFICATION FOR BYOD POLICIES.
15006891			IDENTIFYING COMMON CONFIGURATIONS IN DISTRIBUTED ENVIRONMENTS WITH MEMORABLE HASH NAMES
15008081			RECOVERING A SPECIFIED SET OF DOCUMENTS FROM A DATABASE BACKUP
15009617	20170220593	01/28/2016	READ-ONLY FILE SYSTEM FOR TESTING DE-DUPLICATION
15010960			RISK AND VALUE BASED INFORMATION CLASSIFICATION SYSTEM.
15017107	20170228558	02/05/2016	CONTEXT-AWARE DELEGATION RISK SYSTEM
15019756	20170230458	02/09/2016 (allowed)	PROVIDING A SINGLE INTERFACE FOR ACCESSING RESOURCES THAT ARE DISTRIBUTED AMONG MULTIPLE PLATFORMS
15040793	20170228673	02/10/2016	NETWORK CHANGE AUDITING SYSTEM
15048563	20170242638	02/19/2016	SYSTEM AND METHOD FOR CONTROL OF PRINTED DOCUMENTS BASED ON CLASSIFICATION
15055901	20170249402	02/29/2016	GENERATING SIMULATION DATA USING A LINEAR CURVE

Application Number	Publication Number	Filing Date	Title
			SIMPLIFICATION AND REVERSE SIMPLIFICATION METHOD
15061209			CONTAINER SECURITY ENHANCEMENTS USING SIGNATURES, ENCRYPTION AND ADDITIONAL ACCESS CONTROL/GOVERNANCE
15061241			DYNAMIC CONTAINER MANIFEST CREATION
15061260			CONTAINER EXECUTION PROTOCOL
15062905	20170255506	03/07/2016	MONITORING, ANALYZING, AND MAPPING OF COMPUTING RESOURCES
15072715	20170272336	03/17/2016	DETERMINING DATA THAT IS COLLECTED WHEN AN EMPLOYEE USES CORPORATE RESOURCES
15072987	20170270437	03/17/2016	OBTAINING EMPLOYEE PERMISSION TO COLLECT DATA ASSOCIATED WITH EMPLOYEE USE OF CORPORATE RESOURCES
15073154	20170270457	03/17/2016	PROVIDING AN EMPLOYEE A PERK TO COLLECT DATA OF EMPLOYEE USAGE OF CORPORATE RESOURCES
15081014	20160212079	03/25/2016	MESSAGE CHALLENGE RESPONSE
15081104			SYSTEMS AND METHODS FOR DIAGNOSTIC ANALYSIS OF MEDIA-STREAM COMBINATIONS
15084677			METHOD AND SYSTEM FOR DYNAMIC DISCOVERY OF CONTAINER BASED MICRO SERVICES AND APPLICATIONS
15085180	20170289837	03/30/2016	NETWORK OPTIMIZATION AND CLIENT STEERING BASED ON WIRELESS DATA RATE CAPABILITIES OF MIXED CLIENT DEVICES
15132120	20170300702	04/18/2016	PRESERVING DATA PROTECTION AND ENABLING SECURE CONTENT AWARENESS IN QUERY SERVICES
15136464	20170220664	04/22/2016	APPARATUS FOR EVENT CATEGORIZATION AND PUBLISHING
15136505	20170308606	04/22/2016	SYSTEMS AND METHODS FOR USING A STRUCTURED QUERY DIALECT TO ACCESS DOCUMENT DATABASES AND MERGING WITH OTHER SOURCES
15136586	20170310625	04/22/2016	PRIORITIZED MESSAGING SYSTEM
15138701	20170308573	04/26/2016	SYMBIOTIC DATA INSIGHTS FROM HARMONIZED QUERIES
15142351	20170316080	04/29/2016	AUTOMATICALLY GENERATED EMPLOYEE PROFILES
15150592	20170329972	05/10/2016	DETERMINING A THREAT SEVERITY ASSOCIATED WITH AN EVENT

Application Number	Publication Number	Filing Date	Title
15154062	20170331777	05/13/2016	ELECTRONIC MAIL (EMAIL) MESSAGE LIFECYCLE MANAGEMENT
15155243	20170331712	05/16/2016	PERFORMANCE TRACKING OF AN APPLICATION DURING A SINGLE USER SESSION
15158826	20170339031	05/19/2016	DISPATCHER FOR ADAPTIVE DATA COLLECTION
62321655			SINGLE TIER ROUTING
62321658			GLOBAL TRAFFIC OPTIMIZER OPTIMAL PROVIDER SELECTION
62321661			REVERSE PROXY USING DNS NAMES DEMULPLEXES RESOURCE ACCESS
13664658	20140122817	10/31/2012	SYSTEM AND METHOD FOR AN OPTIMIZED DISTRIBUTED STORAGE SYSTEM
13786759	20140258244	03/06/2013	STORAGE SYSTEM DEDUPLICATION WITH SERVICE LEVEL AGREEMENTS
13952062	20150032978	07/26/2013	TRANSFERRING DIFFERENCES BETWEEN CHUNKS DURING REPLICATION
14319136	20150281281	06/30/2014	IDENTIFICATION OF UNAUTHORIZED APPLICATION DATA IN A CORPORATE NETWORK
14327006	20160011891	07/09/2014	ENGINE FOR VIRTUAL MACHINE RESOURCES
14453150	20160044077	08/06/2014	POLICY USE IN A DATA MOVER EMPLOYING DIFFERENT CHANNEL PROTOCOLS
14453158	20160041777	08/06/2014	CLIENT-SIDE DEDUPLICATION WITH LOCAL CHUNK CACHING
14453165	20160041970	08/06/2014	CHUNK COMPRESSION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT
14453173	20160042008	08/6/2014	TECHNIQUE SELECTION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT
14850096	20160259544	09/10/2015	SYSTEMS AND METHODS FOR VIRTUAL PERIPHERY INTERACTION
14884583	20170109268	10/15/2015	DYNAMIC ADJUSTMENT OF INSTRUMENTATION SCOPE
15017079	20160154816	02/05/2016	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET
15075526	20160203162	03/21/2016	VIRTUAL DISK UTILITY
14688511	20160307208	04/16/2015	METHOD AND SYSTEM TO ENHANCE SOCIAL ENGAGEMENT ACCURACY BY DEVELOPING A VIRTUAL HIERARCHY OF TARGET ORGANIZATION

Application Number	Publication Number	Filing Date	Title
14710083	20160335542	05/12/2015	METHOD AND APPARATUS TO PERFORM NATIVE DISTRIBUTED ANALYTICS USING METADATA ENCODED DECISION ENGINE IN REAL TIME
14719224	20160342350	05/21/2015	PROCESSING UNKNOWN OR UNEXPECTED PROPERTIES ENCOUNTERED DURING MIGRATION OR ARCHIVING OPERATIONS
15060913	20170255903	03/04/2016	DETERMINING DELIVERY DATES FOR MULTIPLE PRODUCT TYPES
15171330	20170353935	06/02/2016	METHOD FOR EFFECTIVE PMTU DISCOVERY IN VPN ENVIRONMENT
15171408	20170351721	06/02/2016	PREDICTING INDEX FRAGMENTATION CAUSED BY DATABASE STATEMENTS
15206805	20180013730	07/11/2016	BLIND CLOUD DATA LEAK PROTECTION
15217794	20170295086	07/22/2016	SINGLE TIER ROUTING
15217801	20170295077	07/22/2016	OPTIMAL SERVICE PROVIDER SELECTION
15217809	20170295131	07/22/2016	RESOURCE IDENTIFICATION THROUGH DYNAMIC DOMAIN NAME SYSTEM (DNS) LABELS
15220018	20170031598	07/26/2016	DATA BLOCK MIGRATION
15226747	20180039670	08/02/2016	ALTERING SEARCH SEQUENCE TO CAUSE MULTIPLE SEARCHES TO LOAD AND EVALUATE SEGMENTS TOGETHER
15248275	20180060388	08/26/2016	PRE-APPLYING A REDUCED VERSION OF A SEARCH QUERY TO LIMIT THE SEARCH SCOPE
15256449	20180067658	09/02/2016	SYSTEM AND METHOD FOR DYNAMIC RE-SERIALIZATION OF VTL DEVICES AND CARTRIDGES
15256853	20180069748	09/06/2016	DISTRIBUTED DATA COLLECTION IN AN ENTERPRISE NETWORK
15260200	20180067653	09/08/2016	DE-DUPLICATING MULTI-DEVICE PLUGIN
15289769	20180101449	10/10/2016	VIRTUALIZING A SECURE ACTIVE DIRECTORY ENVIRONMENT
15291886	20180103033	10/12/2016	PROVIDING A SECURE COMMUNICATION CHANNEL DURING ACTIVE DIRECTORY DISASTER RECOVERY
15602483	20170257374	05/23/2017	SOCIAL MEDIA LOGIN AND INTERACTION MANAGEMENT
15633458	20170295079	06/26/2017	VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION

Application Number	Publication Number	Filing Date	Title
15636148	20170302628	06/28/2017	FIREWALL INFORMED BY WEB SERVER SECURITY POLICY IDENTIFYING AUTHORIZED RESOURCES AND HOSTS
15690642	20170366651	08/30/2017	REDUCING TRANSMISSION PATHWAY LENGTHS WITHIN A DISTRIBUTED NETWORK
15695979	20180088824	09/05/2017	FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS
15709242	20180069762	09/19/2017	DEVICE ASSET TRACKING AND SERVICE DESK USING AN EXTERNAL NETWORK MANAGEMENT SYSTEM AS A DATA SOURCE
15852428		12/22/2017	SYSTEM FOR PROVIDING STRUCTURED QUERY LANGUAGE ACCESS TO NON-RELATIONAL DATA STORES
15664849		07/31/2017	SYSTEM AND METHOD FOR DATA AGGREGATION AND ANALYSIS
15691347		08/30/2017	SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT
15080755		03/25/2016	SYSTEMS AND METHODS FOR MULTI-STREAM PERFORMANCE PATTERNIZATION AND INTERVAL-BASED PREDICTION
15198739		06/30/2016	SYSTEM AND METHODS FOR OPTIMIZED DATABASE SAMPLING
15201655		07/05/2016	SYSTEMS AND METHODS FOR SIMULATING VIRTUAL DESKTOP INFRASTRUCTURE SYSTEMS
15201657		07/05/2016	SYSTEMS AND METHODS FOR INTEGRATED MODELING AND PERFORMANCE MEASUREMENTS OF MONITORED VIRTUAL DESKTOP INFRASTRUCTURE SYSTEMS
12605193		10/23/2009	INSTRUMENTATION OF PROGRAM CODE FOR DYNAMIC ANALYSIS
15365812		11/30/2016	MULTI-TIERED DATA STORAGE IN A DEDUPLICATION SYSTEM
15403368		01/11/2017	GARBAGE COLLECTION AWARE DEDUPLICATION
15696062		09/05/2017	FILE AWARE BLOCK LEVEL DEDUPLICATION
15792528		10/24/2017	CLOUD-BASED DEVICE CONFIGURATION MANAGEMENT OF HETEROGENEOUS DEVICES

Application Number	Publication Number	Filing Date	Title
15799257		10/31/2017	EMAIL AND IDENTITY MIGRATION BASED ON RELATIONSHIP INFORMATION
15806198		11/07/2017	CONTENT-BASED ENCRYPTION KEYS
15812908		11/14/2017	ENHANCED MANAGEMENT OF MIGRATION AND ARCHIVING OPERATIONS
15824888		11/28/2017	COLLECTING AND TRANSMITTING DIAGNOSTICS INFORMATION FROM PROBLEMATIC DEVICES
PCT/US2017/064050		11/30/2017	MULTI-TIERED DATA STORAGE IN A DEDUPLICATION SYSTEM
15832563		12/05/2017	SECURE SHELL PUBLIC KEY AUDIT SYSTEM
15846908		12/19/2017	SELECTIVELY SUPPRESS OR THROTTLE MIGRATION OF DATA ACROSS WAN CONNECTIONS
15920346		03/13/2018	ACCELERATING TRANSFER PROTOCOLS
15926915		03/20/2018	DEPUTIZIING AGENTS TO REDUCE A VOLUME OF EVENT LOGS SENT TO A COORDINATOR
15944253		04/03/2018	METHOD OF OPTIMIZING COMPLEX SQL STATEMENTS USING A REGION DIVIDED PREFERENTIAL SQL REWRITE OPERATION
15445485	20170171162	02/28/2017	PROXY AUTHENTICATION FOR A MULTIPLE CORE NETWORK DEVICE