

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4051789

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY AGREEMENT
CONVEYING PARTY DATA	
Name	Execution Date
AVENTAIL LLC	09/07/2016
DELL PRODUCTS L.P.	09/07/2016
DELL SOFTWARE INC.	09/07/2016
RECEIVING PARTY DATA	
Name:	THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A., AS NOTES COLLATERAL AGENT
Street Address:	601 TRAVIS STREET, 16TH FLOOR
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77002
PROPERTY NUMBERS Total: 649	
Property Type	Number
Application Number:	09782593
Application Number:	09783146
Application Number:	10733808
Application Number:	11009692
Application Number:	11251087
Application Number:	11251592
Application Number:	11371348
Application Number:	11903219
Application Number:	11927250
Application Number:	11927272
Application Number:	11927286
Application Number:	11927310
Application Number:	11927321
Application Number:	11927362
Application Number:	11927371
Application Number:	12512884
Application Number:	12512891
Application Number:	12690018

PATENT

Property Type	Number
Application Number:	12821060
Application Number:	12938330
Application Number:	13004812
Application Number:	13038340
Application Number:	13398616
Application Number:	13773475
Application Number:	13970550
Application Number:	14058215
Application Number:	14061988
Application Number:	14167985
Application Number:	14185178
Application Number:	14475408
Application Number:	14477767
Application Number:	14624533
Application Number:	15007092
Application Number:	15082485
Application Number:	10858295
Application Number:	11774267
Application Number:	11774272
Application Number:	11774278
Application Number:	11774297
Application Number:	11774310
Application Number:	11774319
Application Number:	11774333
Application Number:	12038219
Application Number:	12038223
Application Number:	12573690
Application Number:	12574580
Application Number:	12574990
Application Number:	12624354
Application Number:	12954348
Application Number:	13041282
Application Number:	13081335
Application Number:	13158289
Application Number:	13158292
Application Number:	13182145
Application Number:	13182230
Application Number:	13243965

Property Type	Number
Application Number:	13243985
Application Number:	13306878
Application Number:	13343924
Application Number:	13415324
Application Number:	13491679
Application Number:	13555534
Application Number:	13560762
Application Number:	13664658
Application Number:	13739731
Application Number:	13743191
Application Number:	13748743
Application Number:	13784575
Application Number:	13786759
Application Number:	13786781
Application Number:	13862911
Application Number:	13936344
Application Number:	13937150
Application Number:	13952062
Application Number:	14010495
Application Number:	14154961
Application Number:	14245084
Application Number:	14311485
Application Number:	14327006
Application Number:	14453121
Application Number:	14453150
Application Number:	14453158
Application Number:	14453165
Application Number:	14453173
Application Number:	14498597
Application Number:	14507731
Application Number:	14518063
Application Number:	14521035
Application Number:	14596186
Application Number:	14806072
Application Number:	14850096
Application Number:	14884583
Application Number:	15075526
Application Number:	09361678

Property Type	Number
Application Number:	09489759
Application Number:	09712890
Application Number:	09713479
Application Number:	09720277
Application Number:	09723855
Application Number:	09782586
Application Number:	09835054
Application Number:	09850877
Application Number:	09853371
Application Number:	10019101
Application Number:	10105575
Application Number:	10167229
Application Number:	10197393
Application Number:	10331806
Application Number:	10371977
Application Number:	10371987
Application Number:	10387352
Application Number:	10422359
Application Number:	10459111
Application Number:	10459408
Application Number:	10459421
Application Number:	10459725
Application Number:	10616703
Application Number:	10661412
Application Number:	10697846
Application Number:	10700615
Application Number:	10700616
Application Number:	10700617
Application Number:	10776677
Application Number:	10830410
Application Number:	10841398
Application Number:	10842286
Application Number:	10846609
Application Number:	10853447
Application Number:	10853557
Application Number:	10862971
Application Number:	10863117
Application Number:	10888845

Property Type	Number
Application Number:	10942292
Application Number:	10943541
Application Number:	10950355
Application Number:	10964871
Application Number:	10980375
Application Number:	10980875
Application Number:	11003920
Application Number:	11036603
Application Number:	11051321
Application Number:	11053770
Application Number:	11056525
Application Number:	11058828
Application Number:	11076540
Application Number:	11112252
Application Number:	11112505
Application Number:	11118506
Application Number:	11123994
Application Number:	11152351
Application Number:	11156372
Application Number:	11156373
Application Number:	11185168
Application Number:	11185313
Application Number:	11190382
Application Number:	11198019
Application Number:	11198061
Application Number:	11198062
Application Number:	11198912
Application Number:	11217513
Application Number:	11236280
Application Number:	11264110
Application Number:	11294739
Application Number:	11300097
Application Number:	11311215
Application Number:	11352693
Application Number:	11370722
Application Number:	11419958
Application Number:	11424874
Application Number:	11439073

Property Type	Number
Application Number:	11455037
Application Number:	11457228
Application Number:	11471313
Application Number:	11507257
Application Number:	11535317
Application Number:	11556470
Application Number:	11589007
Application Number:	11619396
Application Number:	11690254
Application Number:	11738952
Application Number:	11749559
Application Number:	11754891
Application Number:	11772723
Application Number:	11778546
Application Number:	11823108
Application Number:	11823111
Application Number:	11837779
Application Number:	11850561
Application Number:	11869575
Application Number:	11881530
Application Number:	11881556
Application Number:	11881770
Application Number:	11895519
Application Number:	11897626
Application Number:	11903413
Application Number:	11926512
Application Number:	11926819
Application Number:	11927214
Application Number:	11927414
Application Number:	11927424
Application Number:	11927438
Application Number:	11927450
Application Number:	11927458
Application Number:	11927466
Application Number:	11927477
Application Number:	11927493
Application Number:	11927497
Application Number:	11927514

Property Type	Number
Application Number:	11927516
Application Number:	11927523
Application Number:	11928887
Application Number:	11934610
Application Number:	11947695
Application Number:	11951008
Application Number:	12023920
Application Number:	12036167
Application Number:	12059505
Application Number:	12070164
Application Number:	12099837
Application Number:	12143210
Application Number:	12182364
Application Number:	12238205
Application Number:	12240784
Application Number:	12240892
Application Number:	12333132
Application Number:	12339053
Application Number:	12370399
Application Number:	12395524
Application Number:	12400559
Application Number:	12474688
Application Number:	12475729
Application Number:	12488657
Application Number:	12497328
Application Number:	12500109
Application Number:	12502035
Application Number:	12502052
Application Number:	12502189
Application Number:	12509955
Application Number:	12537831
Application Number:	12547860
Application Number:	12559156
Application Number:	12566231
Application Number:	12567069
Application Number:	12571250
Application Number:	12575342
Application Number:	12605193

Property Type	Number
Application Number:	12612569
Application Number:	12651299
Application Number:	12651327
Application Number:	12661470
Application Number:	12691616
Application Number:	12695385
Application Number:	12695407
Application Number:	12715335
Application Number:	12715337
Application Number:	12724363
Application Number:	12725191
Application Number:	12762162
Application Number:	12770354
Application Number:	12785364
Application Number:	12816460
Application Number:	12822439
Application Number:	12838009
Application Number:	12844297
Application Number:	12845215
Application Number:	12846102
Application Number:	12850587
Application Number:	12869138
Application Number:	12878609
Application Number:	12901824
Application Number:	12901888
Application Number:	12902930
Application Number:	12906653
Application Number:	12913668
Application Number:	12914767
Application Number:	12939637
Application Number:	12959913
Application Number:	13015526
Application Number:	13016899
Application Number:	13022858
Application Number:	13053196
Application Number:	13080638
Application Number:	13085421
Application Number:	13092051

Property Type	Number
Application Number:	13098298
Application Number:	13101863
Application Number:	13155819
Application Number:	13156199
Application Number:	13158204
Application Number:	13179356
Application Number:	13179405
Application Number:	13179813
Application Number:	13179904
Application Number:	13196454
Application Number:	13196480
Application Number:	13196484
Application Number:	13209018
Application Number:	13210324
Application Number:	13218362
Application Number:	13225258
Application Number:	13226376
Application Number:	13228351
Application Number:	13235254
Application Number:	13241004
Application Number:	13242916
Application Number:	13244167
Application Number:	13244187
Application Number:	13316134
Application Number:	13333650
Application Number:	13335743
Application Number:	13340509
Application Number:	13360971
Application Number:	13361659
Application Number:	13364214
Application Number:	13366166
Application Number:	13368240
Application Number:	13406305
Application Number:	13416283
Application Number:	13425166
Application Number:	13436624
Application Number:	13445130
Application Number:	13448010

Property Type	Number
Application Number:	13448220
Application Number:	13451274
Application Number:	13455583
Application Number:	13460774
Application Number:	13464042
Application Number:	13465708
Application Number:	13474339
Application Number:	13478003
Application Number:	13486989
Application Number:	13489276
Application Number:	13489751
Application Number:	13491484
Application Number:	13492330
Application Number:	13534435
Application Number:	13535031
Application Number:	13546194
Application Number:	13563490
Application Number:	13587748
Application Number:	13594431
Application Number:	13626777
Application Number:	13648259
Application Number:	13658709
Application Number:	13658724
Application Number:	13658732
Application Number:	13658747
Application Number:	13658777
Application Number:	13670282
Application Number:	13686700
Application Number:	13713424
Application Number:	13714829
Application Number:	13721588
Application Number:	13721769
Application Number:	13721811
Application Number:	13725008
Application Number:	13745677
Application Number:	13752020
Application Number:	13760024
Application Number:	13764011

Property Type	Number
Application Number:	13787693
Application Number:	13789529
Application Number:	13804064
Application Number:	13804476
Application Number:	13826733
Application Number:	13836840
Application Number:	13837740
Application Number:	13850002
Application Number:	13850164
Application Number:	13853946
Application Number:	13864866
Application Number:	13869071
Application Number:	13869188
Application Number:	13906241
Application Number:	13906246
Application Number:	13906255
Application Number:	13906262
Application Number:	13912055
Application Number:	13913413
Application Number:	13934912
Application Number:	13935075
Application Number:	13957319
Application Number:	13957322
Application Number:	13967202
Application Number:	13967205
Application Number:	13967207
Application Number:	13967208
Application Number:	13967210
Application Number:	13973859
Application Number:	14010314
Application Number:	14014637
Application Number:	14014707
Application Number:	14021852
Application Number:	14034314
Application Number:	14047162
Application Number:	14064597
Application Number:	14071146
Application Number:	14071192

Property Type	Number
Application Number:	14073822
Application Number:	14073823
Application Number:	14079308
Application Number:	14082397
Application Number:	14089427
Application Number:	14089593
Application Number:	14096866
Application Number:	14149658
Application Number:	14150537
Application Number:	14152812
Application Number:	14153218
Application Number:	14153607
Application Number:	14159593
Application Number:	14166641
Application Number:	14172731
Application Number:	14177434
Application Number:	14178158
Application Number:	14178165
Application Number:	14191648
Application Number:	14193194
Application Number:	14214013
Application Number:	14226598
Application Number:	14248215
Application Number:	14248234
Application Number:	14249147
Application Number:	14263699
Application Number:	14264889
Application Number:	14265973
Application Number:	14276984
Application Number:	14292135
Application Number:	14297944
Application Number:	14298095
Application Number:	14305249
Application Number:	14312645
Application Number:	14318334
Application Number:	14319136
Application Number:	14319145
Application Number:	14319166

Property Type	Number
Application Number:	14325074
Application Number:	14326230
Application Number:	14335205
Application Number:	14456884
Application Number:	14472026
Application Number:	14472234
Application Number:	14472329
Application Number:	14475441
Application Number:	14491829
Application Number:	14530668
Application Number:	14536062
Application Number:	14541791
Application Number:	14543829
Application Number:	14556157
Application Number:	14562453
Application Number:	14562474
Application Number:	14562502
Application Number:	14568386
Application Number:	14578065
Application Number:	14581717
Application Number:	14587947
Application Number:	14588181
Application Number:	14589760
Application Number:	14591781
Application Number:	14603197
Application Number:	14603208
Application Number:	14605229
Application Number:	14605731
Application Number:	14606451
Application Number:	14607776
Application Number:	14607907
Application Number:	14610259
Application Number:	14613917
Application Number:	14619853
Application Number:	14619897
Application Number:	14628889
Application Number:	14629583
Application Number:	14631826

Property Type	Number
Application Number:	14633826
Application Number:	14637315
Application Number:	14638298
Application Number:	14640706
Application Number:	14645129
Application Number:	14645383
Application Number:	14645393
Application Number:	14657904
Application Number:	14660697
Application Number:	14665292
Application Number:	14665315
Application Number:	14666180
Application Number:	14666410
Application Number:	14666918
Application Number:	14672675
Application Number:	14672715
Application Number:	14672791
Application Number:	14674270
Application Number:	14683416
Application Number:	14683441
Application Number:	14683453
Application Number:	14683462
Application Number:	14683465
Application Number:	14683513
Application Number:	14687732
Application Number:	14690600
Application Number:	14692169
Application Number:	14694634
Application Number:	14694647
Application Number:	14695681
Application Number:	14696839
Application Number:	14700444
Application Number:	14700502
Application Number:	14702858
Application Number:	14705878
Application Number:	14706060
Application Number:	14708110
Application Number:	14718804

Property Type	Number
Application Number:	14719121
Application Number:	14719224
Application Number:	14722055
Application Number:	14722125
Application Number:	14722854
Application Number:	14722914
Application Number:	14725778
Application Number:	14726971
Application Number:	14731252
Application Number:	14731271
Application Number:	14731278
Application Number:	14731283
Application Number:	14738087
Application Number:	14741021
Application Number:	14747860
Application Number:	14755592
Application Number:	14793640
Application Number:	14793683
Application Number:	14797010
Application Number:	14811794
Application Number:	14812823
Application Number:	14815221
Application Number:	14815866
Application Number:	14816900
Application Number:	14818215
Application Number:	14818218
Application Number:	14819104
Application Number:	14819233
Application Number:	14819403
Application Number:	14821635
Application Number:	14826770
Application Number:	14834319
Application Number:	14835530
Application Number:	14840739
Application Number:	14842693
Application Number:	14844951
Application Number:	14845050
Application Number:	14845467

Property Type	Number
Application Number:	14845756
Application Number:	14858299
Application Number:	14858341
Application Number:	14861608
Application Number:	14867615
Application Number:	14869072
Application Number:	14869758
Application Number:	14870470
Application Number:	14872525
Application Number:	14874587
Application Number:	14875120
Application Number:	14875136
Application Number:	14877391
Application Number:	14879657
Application Number:	14886884
Application Number:	14919930
Application Number:	14926566
Application Number:	14929460
Application Number:	14929482
Application Number:	14931454
Application Number:	14934720
Application Number:	14937776
Application Number:	14938573
Application Number:	14938580
Application Number:	14942776
Application Number:	14948133
Application Number:	14956464
Application Number:	14956298
Application Number:	14960043
Application Number:	14962211
Application Number:	14964027
Application Number:	14964502
Application Number:	14965859
Application Number:	14965866
Application Number:	14968455
Application Number:	14968786
Application Number:	14968829
Application Number:	14975625

Property Type	Number
Application Number:	14976652
Application Number:	14980009
Application Number:	14981299
Application Number:	14987698
Application Number:	14989654
Application Number:	14989657
Application Number:	14991567
Application Number:	14993059
Application Number:	14994328
Application Number:	14996036
Application Number:	14996133
Application Number:	15000867
Application Number:	15005840
Application Number:	15005846
Application Number:	15006875
Application Number:	15006891
Application Number:	15006933
Application Number:	15008081
Application Number:	15009617
Application Number:	15010960
Application Number:	15017107
Application Number:	15018059
Application Number:	15019756
Application Number:	15040793
Application Number:	15048563
Application Number:	15055210
Application Number:	15055901
Application Number:	15057747
Application Number:	15061209
Application Number:	15061241
Application Number:	15061260
Application Number:	15062905
Application Number:	15067643
Application Number:	15072715
Application Number:	15072987
Application Number:	15073154
Application Number:	15077891
Application Number:	15081104

Property Type	Number
Application Number:	15081014
Application Number:	15084677
Application Number:	15085180
Application Number:	15094257
Application Number:	15132120
Application Number:	15136464
Application Number:	15136586
Application Number:	15136505
Application Number:	15138701
Application Number:	15139672
Application Number:	15142351
Application Number:	15149750
Application Number:	15150592
Application Number:	15154062
Application Number:	15155243
Application Number:	15158826
Application Number:	15045545
Application Number:	62321661
Application Number:	62321655
Application Number:	62321658
Application Number:	95001458
Application Number:	95001872
Application Number:	13114282

CORRESPONDENCE DATA

Fax Number: (800)914-4240

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: 800-713-0755

Email: Michael.Violet@wolterskluwer.com

Correspondent Name: MICHAEL VIOLET

Address Line 1: 4400 EASTON COMMONS WAY

Address Line 2: SUITE 125

Address Line 4: COLUMBUS, OHIO 43219

NAME OF SUBMITTER: KEN TAN

SIGNATURE: /Ken Tan/

DATE SIGNED: 09/14/2016

Total Attachments: 37

source=Patent Security Agreement (Notes) (Seahawk) (executed)#page1.tif

PATENT SECURITY AGREEMENT dated as of September 7, 2016 (this “Agreement”) among Aventail LLC, a Delaware limited liability company, Dell Products L.P., a Texas limited partnership, and Dell Software Inc., a Delaware corporation (each, a “Grantor” and collectively, the “Grantors”) and The Bank of New York Mellon Trust Company, N.A., as Collateral Agent (in such capacity, the “Notes Collateral Agent”).

Reference is made to (a) the Indenture dated as of June 1, 2016 among Diamond 1 Finance Corporation, a Delaware corporation (“Finco 1”, which, in connection with the Dell-EMC Merger, has merged with and into Dell International L.L.C., a Delaware limited liability company (“Dell International”), with Dell International continuing as the surviving corporation and which, following the consummation of the Dell-EMC Merger, on or about the Business Day following the Effective Date, will merge with and into New Dell International LLC, a Delaware limited liability company (“New Dell International”), with New Dell International continuing as the surviving corporation), Diamond 2 Finance Corporation, a Delaware corporation (“Finco 2”, which, in connection with the Dell-EMC Merger, has merged with and into EMC Corporation, a Massachusetts corporation (“EMC”), with EMC continuing as the surviving corporation), and The Bank of New York Mellon Trust Company, N.A., in its capacity as Trustee on behalf of the holders (the “Holders”) of the Notes (as defined below) and Notes Collateral Agent (as from time to time amended, restated, supplemented or otherwise modified, the “Indenture”) and (b) the Security Agreement dated as of September 7, 2016 (as amended, supplemented or otherwise modified from time to time, the “Security Agreement”) among the Issuers, the other grantors from time to time party thereto and the Notes Collateral Agent. The Grantors (other than Dell International and EMC) are Affiliates of the Issuers, along with Dell International and EMC, and will derive substantial benefits from the execution, delivery and performance of the obligations under the Indenture and the Notes and each is, therefore, willing to enter into this Agreement. Accordingly, the parties hereto agree as follows:

SECTION 1. Terms. Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement or the Indenture, as applicable. The rules of construction specified in Section 1.01(b) of the Security Agreement also apply to this Agreement.

SECTION 2. Grant of Security Interest. As security for the payment or performance, as the case may be, in full of the Secured Obligations, each Grantor hereby grants to the Notes Collateral Agent, its successors and assigns, for the benefit of the Secured Parties, a security interest (the “Security Interest”) in all of such Grantor’s right, title and interest in, to and under any Patents now owned or at any time hereafter acquired by such Grantor, including those listed on Schedule I (the “Patent Collateral”).

SECTION 3. Security Agreement. The Security Interest granted to the Notes Collateral Agent herein is granted in furtherance, and not in limitation, of the security interests granted to the Notes Collateral Agent pursuant to the Security Agreement. Each Grantor hereby acknowledges and affirms that the rights and remedies of the Notes Collateral Agent with respect to the Patent Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In

the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 4. Counterparts. This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original but all of which when taken together shall constitute a single contract. Delivery of an executed signature page to this Agreement by facsimile or other electronic transmission shall be effective as delivery of a manually signed counterpart of this Agreement.

SECTION 5. Governing Law. This Agreement shall be construed in accordance with and governed by the law of the State of New York.

[Remainder of this page intentionally left blank]

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement as of the day and year first above written.

AVENTAIL LLC
DELL PRODUCTS L.P.
DELL SOFTWARE INC.

By 

Name: Janet B. Wright
Title: Vice President and Assistant Secretary

[Dell -- Signature Page to Patent Security Agreement]

THE BANK OF NEW YORK MELLON TRUST
COMPANY, N.A., as Notes Collateral Agent

By: *T. Petta*

Name:

Title:

TERESA PETTA
VICE PRESIDENT

Schedule I

Patents and Patent Applications

Application Number	Registration Number	Title	Owner
09/782593	7353380	METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
09/783146	7360075	METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
10/733808	8572249	NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	Aventail LLC
11/009692	8255973	PROVISIONING REMOTE COMPUTERS FOR ACCESSING RESOURCES	Aventail LLC
11/251087	7827590	CONTROLLING ACCESS TO A SET OF RESOURCES IN A NETWORK	Aventail LLC
11/251592	8590032	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
11/371348	8661158	SMART TUNNELING TO RESOURCES IN A NETWORK	Aventail LLC
11/903219	8700775	ROUTING OF COMMUNICATIONS TO A PLATFORM SERVICE	Aventail LLC
11/927250	7698388	SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	Aventail LLC
11/927272	8005983	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
11/927286	7770222	CREATING AN INTERROGATION MANIFEST REQUEST	Aventail LLC
11/927310	7779469	PROVISIONING AN OPERATING ENVIRONMENT OF A REMOTE COMPUTER	Aventail LLC
11/927321	8438254	PROVIDING DISTRIBUTED CACHE SERVICES	Aventail LLC
11/927362	7870380	PROVIDING SECURE CONNECTIONS FOR DATA TRANSMISSION	Aventail LLC
11/927371	8984268	ENCRYPTED RECORD TRANSMISSION	Aventail LLC
12/512884	8615796	MANAGING RESOURCE ALLOCATIONS	Aventail LLC
12/512891	8613041	CREATING RULES FOR ROUTING RESOURCE ACCESS REQUESTS	Aventail LLC
12/690018	8090827	SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	Aventail LLC
12/821060	8301769	CLASSIFYING AN OPERATING ENVIRONMENT OF A REMOTE COMPUTER	Aventail LLC
12/938330	8601550	REMOTE ACCESS TO RESOURCES OVER A NETWORK	Aventail LLC
13/004812	8533457	METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA	Aventail LLC

Application Number	Registration Number	Title	Owner
		TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	
13/038340	9407456	SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	Aventail LLC
13/398616	8826388	MOBILE DEVICE IDENTIFY FACTOR FOR ACCESS CONTROL POLICIES	Aventail LLC
13/773475		VPN DEEP PACKET INSPECTION	Aventail LLC
13/970550		METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
14/058215	9300670	REMOTE ACCESS TO RESOURCES OVER A NETWORK	Aventail LLC
14/061988	9197538	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
14/167985		MOBILE DEVICE IDENTITY AND ACCESS CONTROL POLICIES	Aventail LLC
14/185178	8959384	ROUTING OF COMMUNICATIONS TO ONE OR MORE PROCESSORS PERFORMING ONE OR MORE SERVICES ACCORDING TO A LOAD BALANCING FUNCTION	Aventail LLC
14/475408		MOBILE DEVICE IDENTIFY FACTOR FOR ACCESS CONTROL POLICIES	Aventail LLC
14/477767	9397927	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
14/624533	9268656	NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	Aventail LLC
15/007092		NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	Aventail LLC
15/082485		REMOTE ACCESS TO RESOURCES OVER A NETWORK	Aventail LLC
10/858295	7287186	SHARED NOTHING VIRTUAL CLUSTER	Dell Products L.P.
11/774267	7961959	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P. ¹
11/774272	7961960	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774278	7881544	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774297	7936932	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774310	7970216	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774319	7974478	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774333	7885988	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
12/038219	8224831	VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION	Dell Products L.P.

¹ Dell Inc. to file assignment from Ocarina Networks, Inc.

Application Number	Registration Number	Title	Owner
12/038223	8219534	MULTIPLE FILE COMPACTION FOR NETWORK ATTACHED STORAGE	Dell Products L.P.
12/573690	8386443	REPRESENTING AND STORING AN OPTIMIZED FILE SYSTEM USING A SYSTEM OF SYMLINKS, HARMLINKS AND FILE ARCHIVES	Dell Products L.P.
12/574580	8862559	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	Dell Products L.P.
12/574990	8694466	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	Dell Products L.P.
12/624354	8423520	METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION	Dell Products L.P.
12/954348	8965852	METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION	Dell Products L.P.
13/041282	8849773	METHODS AND APPARATUS FOR ACTIVE OPTIMIZATION OF DATA	Dell Products L.P.
13/081335	9323778	VIRTUAL DISK UTILITY	Dell Products L.P.
13/158289		DATA BLOCK MIGRATION	Dell Products L.P.
13/158292	9201890	STORAGE OPTIMIZATION MANAGER	Dell Products L.P.
13/182145		MINI APPLIANCE	Dell Products L.P.
13/182230	9,396,311	MINI APPLIANCE ENSURING SOFTWARE LICENSE COMPLIANCE	Dell Products L.P.
13/243965		MAINTAINING DEDUPLICATION DATA IN NATIVE FILE FORMATS	Dell Products L.P.
13/243985		APPLICATION TRANSPARENT DEDUPLICATION DATA	Dell Products L.P.
13/306878		RESYNCHRONIZATION OF REPLICATED DATA	Dell Products L.P.
13/343924		HOME HUB	Dell Products L.P.
13/415324	9256609	FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS	Dell Products L.P.
13/491679	8655898	VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION	Dell Products L.P.
13/555534		GARBAGE COLLECTION AWARE DEDUPLICATION	Dell Products L.P.
13/560762	9210044	AUTOMATED REMEDIATION WITH AN APPLIANCE	Dell Products L.P.
13/664658		SYSTEM AND METHOD FOR OPTIMIZED DISTRIBUTED STORAGE SYSTEM	Dell Products L.P.
13/739731		SYSTEM AND METHOD FOR MANIPULATING USER-INTERFACE DISPLAY ITEMS FOR WEB WIDGETS	Dell Products L.P.
13/743191		DEPLOYMENT AND MANAGEMENT OF VIRTUAL CONTAINERS	Dell Products L.P.
13/748743		EFFICIENT REPLICA CLEANUP DURING RESYNCHRONIZATION	Dell Products L.P.
13/784575	9250819	LEARNING MACHINE TO OPTIMIZE RANDOM ACCESS IN A STORAGE SYSTEM	Dell Products L.P.
13/786759		STORAGE SYSTEM DEDUPLICATION	Dell Products L.P.

Application Number	Registration Number	Title	Owner
		WITH SERVICE LEVEL AGREEMENTS	
13/786781		HANDLING RESTORES IN AN INCREMENTAL BACKUP STORAGE SYSTEM	Dell Products L.P.
13/862911		METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION	Dell Products L.P.
13/936344	9201800	RESTORING TEMPORAL LOCALITY IN GLOBAL AND LOCAL DEDUPLICATION STORAGE SYSTEMS	Dell Products L.P.
13/937150		FILE AWARE BLOCK LEVEL DEDUPLICATION	Dell Products L.P.
13/952062		TRANSFERRING DIFFERENCES BETWEEN CHUNKS FOR DATA REDUCTION DURING REPLICATION OVER LOW-BANDWIDTH LINKS	Dell Products L.P.
14/010495	8892528	ACCELERATED DEDUPLICATION	Dell Products L.P.
14/154961		SYNCHRONIZED STORAGE SYSTEM OPERATION	Dell Products L.P.
14/245084	9251161	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	Dell Products L.P.
14/311485		INTELLIGENT DEDUPLICATION DATA PREFETCHING	Dell Products L.P.
14/327006		ENGINE FOR VIRTUAL MACHINE RESOURCES	Dell Products L.P.
14/453121		ACCELERATING TRANSFER PROTOCOLS	Dell Products L.P.
14/453150		POLICY USE IN A DATA MOVER EMPLOYING DIFFERENT CHANNEL	Dell Products L.P.
14/453158		CLIENT-SIDE DEDUPLICATION WITH LOCAL CHUNK CACHING	Dell Products L.P.
14/453165		CHUNK COMPRESSION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT	Dell Products L.P.
14/453173		TECHNIQUE SELECTION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT	Dell Products L.P.
14/498597	9311322	HEAT INDICES FOR FILE SYSTEMS AND BLOCK STORAGE	Dell Products L.P.
14/507731	9262432	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	Dell Products L.P.
14/518063		ACCELERATED DEDUPLICATION	Dell Products L.P.
14/521035		FAST UPDATE OF DATA PACKET CHECKSUMS	Dell Products L.P.
14/596186		METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION	Dell Products L.P.
14/806072		PROBABILITY BASED WHITELIST	Dell Products L.P.
14/850096		METHOD OF INTERACTION WITH VIRTUAL PERIPHERY	Dell Products L.P.
14/884583		DYNAMIC ADJUSTMENT OF INSTRUMENTATION SCOPE	Dell Products L.P.
15/075526		VIRTUAL DISK UTILITY	Dell Products L.P.

Application Number	Registration Number	Title	Owner
09/361678	7158986	METHOD AND SYSTEM PROVIDING USER WITH PERSONALIZED RECOMMENDATIONS BY ELECTRONIC-MAIL BASED UPON THE DETERMINED INTERESTS OF THE USER PERTAIN TO THE THEME AND CONCEPTS OF THE CATEGORIZED DOCUMENT	Dell Software Inc.
09/489759	6871221	METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL	Dell Software Inc.
09/712890	6834290	SYSTEM AND METHOD FOR DEVELOPING A COST-EFFECTIVE REORGANIZATION PLAN FOR DATA REORGANIZATION	Dell Software Inc.
09/713479	7805423	SYSTEM AND METHOD FOR QUIESCING SELECT DATA MODIFICATION OPERATIONS AGAINST AN OBJECT OF A DATABASE DURING ONE OR MORE STRUCTURAL OPERATIONS	Dell Software Inc.
09/720277	7272625	GENERALIZED POLICY SERVER	Dell Software Inc.
09/723855	6845374	SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	Dell Software Inc.
09/782586	7065538	SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE	Dell Software Inc.
09/835054	7010807	SYSTEM AND METHOD FOR NETWORK VIRUS PROTECTION	Dell Software Inc.
09/850877	6928471	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
09/853371	6944798	GRACEFUL DEGRADATION SYSTEM	Dell Software Inc.
10/019101	7580919	QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
10/105575		METHOD AND APPARATUS FOR CENTRALIZED POLICY PROGRAMMING AND DISTRIBUTIVE POLICY ENFORCEMENT	Dell Software Inc.
10/167229	7657616	AUTOMATIC DISCOVERY OF USERS ASSOCIATED WITH SCREEN NAMES	Dell Software Inc.
10/197393	8924484	ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
10/331806	7412539	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
10/371977	7299261	MESSAGE CLASSIFICATION USING A SUMMARY	Dell Software Inc.
10/371987	8266215	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
10/387352	8396926	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
10/422359	7539726	MESSAGE TESTING	Dell Software Inc.
10/459111	7818565	SYSTEMS AND METHODS FOR	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		IMPLEMENTING PROTOCOL ENFORCEMENT RULES	
10/459408	7707401	SYSTEMS AND METHODS FOR A PROTOCOL GATEWAY	Dell Software Inc.
10/459421	7664822	SYSTEMS AND METHODS FOR AUTHENTICATION OF TARGET PROTOCOL SCREEN NAMES	Dell Software Inc.
10/459725	7428590	SYSTEMS AND METHODS FOR REFLECTING MESSAGES ASSOCIATED WITH A TARGET PROTOCOL WITHIN A NETWORK	Dell Software Inc.
10/616703	7406502	METHOD AND SYSTEM FOR CLASSIFYING A MESSAGE BASED ON CANONICAL EQUIVALENT OF ACCEPTABLE ITEMS INCLUDED IN THE MESSAGE	Dell Software Inc.
10/661412	7231391	LOOSELY COUPLED DATABASE CLUSTERS WITH CLIENT CONNECTION FAIL-OVER	Dell Software Inc.
10/697846	7310815	METHOD AND APPARATUS FOR DATASTREAM ANALYSIS AND BLOCKING	Dell Software Inc.
10/700615	7469278	VALIDATION OF PORTABLE COMPUTER TYPE PRIOR TO CONFIGURATION OF A LOCAL RUN-TIME ENVIRONMENT	Dell Software Inc.
10/700616	7293087	EVENT-BASED APPLICATION FOR PERFORMING CONFIGURATION CHANGES IN A NETWORKED ENVIRONMENT	Dell Software Inc.
10/700617	7353262	VALIDATION OF CONFIGURATION SETTINGS PRIOR TO CONFIGURATION OF LOCAL RUN-TIME ENVIRONMENT	Dell Software Inc.
10/776677	8856239	MESSAGE CLASSIFICATION BASED ON LIKELIHOOD OF SPOOFING	Dell Software Inc.
10/830410	7546348	MESSAGE HANDLING WITH SELECTIVE USER PARTICIPATION	Dell Software Inc.
10/841398	7096392	METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
10/842286	7565661	METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES	Dell Software Inc.
10/846609	7913043	METHOD FOR BACKUP STORAGE DEVICE SELECTION	Dell Software Inc.
10/853447	7769766	METHOD AND AN APPARATUS TO STORE CONTENT RATING INFORMATION	Dell Software Inc.
10/853557	8015169	METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	Dell Software Inc.
10/862971	7680834	METHOD AND SYSTEM FOR NO DOWNTIME RESYNCHRONIZATION FOR REAL-TIME, CONTINUOUS DATA	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		PROTECTION	
10/863117	7519870	METHOD AND SYSTEM FOR NO DOWNTIME, INITIAL DATA UPLOAD FOR REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
10/888845	7617501	APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM	Dell Software Inc.
10/942292	8150875	METHOD AND AN APPARATUS TO STORE INFORMATION REGARDING WEB PAGES	Dell Software Inc.
10/943541	7979404	EXTRACTING DATA CHANGES AND STORING DATA HISTORY TO ALLOW FOR INSTANTANEOUS ACCESS TO AND RECONSTRUCTION OF ANY POINT-IN-TIME DATA	Dell Software Inc.
10/950355	7769004	NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER	Dell Software Inc.
10/964871	7600257	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
10/980375	7570765	METHOD AND AN APPARATUS TO PERFORM SECURE REAL-TIME TRANSPORT PROTOCOL-ON-THE-FLY	Dell Software Inc.
10/980875	7836014	HYBRID REAL-TIME DATA REPLICATION	Dell Software Inc.
11/003920	8645389	SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	Dell Software Inc.
11/036603	8886727	MESSAGE DISTRIBUTION CONTROL	Dell Software Inc.
11/051321	7823196	METHOD AND AN APPARATUS TO PERFORM DYNAMIC SECURE RE-ROUTING OF DATA FLOWS FOR PUBLIC SERVICES	Dell Software Inc.
11/053770	7643484	NETWORK ABSTRACTION AND ISOLATION LAYER RULES-BASED FEDERATION AND MASQUERADING	Dell Software Inc.
11/056525	7480264	CENTRALIZED WIRELESS LAN LOAD BALANCING	Dell Software Inc.
11/058828	7996894	MAC ADDRESS MODIFICATION OF OTHERWISE LOCALLY BRIDGED CLIENT DEVICES TO PROVIDE SECURITY	Dell Software Inc.
11/076540	7814260	TAPE IMAGE ON NON-TAPE STORAGE DEVICE	Dell Software Inc.
11/112252	7835361	METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	Dell Software Inc.
11/112505	7739253	LINK-BASED CONTENT RATINGS OF PAGES	Dell Software Inc.
11/118506	8074259	AUTHENTICATION MARK-UP DATA OF	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		MULTIPLE LOCAL AREA NETWORKS	
11/123994	8108429	SYSTEM FOR MOVING REAL-TIME DATA EVENTS ACROSS A PLURALITY OF DEVICES IN A NETWORK FOR SIMULTANEOUS DATA PROTECTION, REPLICATION, AND ACCESS SERVICES	Dell Software Inc.
11/152351	7979650	DISCOVERING DATA STORAGE FOR BACKUP	Dell Software Inc.
11/156372	9154511	TIME ZERO DETECTION OF INFECTIOUS MESSAGES	Dell Software Inc.
11/156373	7343624	MANAGING INFECTIOUS MESSAGES AS IDENTIFIED BY AN ATTACHMENT	Dell Software Inc.
11/185168	7689602	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
11/185313	7788521	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
11/190382	7984495	METHOD AND AN APPARATUS TO IDENTIFY SECURITY ASSOCIATION OF VIRTUAL PRIVATE NETWORK TUNNELS	Dell Software Inc.
11/198019	7565336	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
11/198061	7681104	METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
11/198062	7681105	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
11/198912	7539655	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
11/217513	7185237	SYSTEMS AND METHODS FOR PROVIDING FOR DEGRADATION OF A COMPUTER APPLICATION	Dell Software Inc.
11/236280	9275047	METHOD AND APPARATUS FOR MULTIMEDIA CONTENT FILTERING	Dell Software Inc.
11/264110	7904913	MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
11/294739	7774832	SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES	Dell Software Inc.
11/300097	7760640	ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE	Dell Software Inc.
11/311215	7904949	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	Dell Software Inc.
11/352693	8087075	DISCONNECTED CREDENTIAL	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		VALIDATION USING PRE-FETCHED SERVICE TICKETS	
11/370722	7509520	NETWORK INTERFACE DEVICE HAVING BYPASS CAPABILITY	Dell Software Inc.
11/419958	7870354	DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES	Dell Software Inc.
11/424874	8429712	CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD	Dell Software Inc.
11/439073	7461103	SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE	Dell Software Inc.
11/455037	8271603	DIMINISHING FALSE POSITIVE CLASSIFICATIONS OF UNSOLICITED ELECTRONIC-MAIL	Dell Software Inc.
11/457228	7814460	HIERARCHICAL MODULAR SOFTWARE PACKAGES AND ASSOCIATED DEVELOPMENT TOOL	Dell Software Inc.
11/471313	7512682	DATABASE CLUSTER SYSTEMS AND METHODS FOR MAINTAINING CLIENT CONNECTIONS	Dell Software Inc.
11/507257	7363549	METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
11/535317	7818801	FILE SYSTEM EVENT TRACKING	Dell Software Inc.
11/556470	7756981	SYSTEMS AND METHODS FOR REMOTE ROGUE PROTOCOL ENFORCEMENT	Dell Software Inc.
11/589007	9069845	PERSONALIZED ELECTRONIC-MAIL DELIVERY	Dell Software Inc.
11/619396	7801975	MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT	Dell Software Inc.
11/690254	8078728	CAPACITY POOLING FOR APPLICATION RESERVATION AND DELIVERY	Dell Software Inc.
11/738952		FEDERATED AUTHORIZATION FOR DISTRIBUTED COMPUTING	Dell Software Inc.
11/749559	7979245	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING COMPUTING RESOURCE PERFORMANCE	Dell Software Inc.
11/754891	7606839	SYSTEMS AND METHODS FOR PROVIDING CLIENT CONNECTION FAIL-OVER	Dell Software Inc.
11/772723	7738380	REASSEMBLY-FREE REWRITING OF OUT-OF-ORDER DATA PAYLOAD	Dell Software Inc.
11/778546	7991723	DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATION	Dell Software Inc.
11/823108	7783510	COMPUTER STORAGE CAPACITY FORECASTING SYSTEM USING CLUSTER-BASED SEASONALITY ANALYSIS	Dell Software Inc.
11/823111	7788127	FORECAST MODEL QUALITY INDEX FOR	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		COMPUTER STORAGE CAPACITY PLANNING	
11/837779	8863286	NOTIFICATION FOR REASSEMBLY-FREE FILE SCANNING	Dell Software Inc.
11/850561	8601539	SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS	Dell Software Inc.
11/869575	7882265	SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK	Dell Software Inc.
11/881530	7792850	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
11/881556	8086441	EFFICIENT STRING SEARCH	Dell Software Inc.
11/881770	7792846	TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	Dell Software Inc.
11/895519	8955106	MANAGING INFECTIOUS FORWARDED MESSAGES	Dell Software Inc.
11/897626	7821926	GENERALIZED POLICY SERVER	Dell Software Inc.
11/903413	8112486	SIGNATURE GENERATION USING MESSAGE SUMMARIES	Dell Software Inc.
11/926512	7895332	IDENTITY MIGRATION SYSTEM APPARATUS AND METHOD	Dell Software Inc.
11/926819	7882189	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
11/927214	7912856	ADAPTIVE ENCRYPTION	Dell Software Inc.
11/927414	8990312	ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
11/927424	8122508	ANALYZING TRAFFIC PATTERNS TO DETECT INFECTIOUS MESSAGES	Dell Software Inc.
11/927438	8850566	TIME ZERO DETECTION OF INFECTIOUS MESSAGES	Dell Software Inc.
11/927450	9245013	MESSAGE RECOMMENDATION USING WORD ISOLATION AND CLUSTERING	Dell Software Inc.
11/927458		APPROXIMATE MATCHING OF STRINGS FOR MESSAGE FILTERING	Dell Software Inc.
11/927466	8713110	IDENTIFICATION OF PROTECTED CONTENT IN E-MAIL MESSAGES	Dell Software Inc.
11/927477	8612560	MESSAGE CLASSIFICATION USING DOMAIN NAME AND IP ADDRESS EXTRACTION	Dell Software Inc.
11/927493	7814545	MESSAGE CLASSIFICATION USING CLASSIFIERS	Dell Software Inc.
11/927497	7562122	MESSAGE CLASSIFICATION USING ALLOWED ITEMS	Dell Software Inc.
11/927514	7925707	DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
11/927516	7921204	MESSAGE TESTING BASED ON A DETERMINATE MESSAGE CLASSIFICATION AND MINIMIZED RESOURCE CONSUMPTION	Dell Software Inc.
11/927523	7908330	MESSAGE AUDITING	Dell Software Inc.
11/928887	8086710	IDENTITY MIGRATION APPARATUS AND	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		METHOD	
11/934610	7979494	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	Dell Software Inc.
11/947695	8127316	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	Dell Software Inc.
11/951008	8234253	SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA	Dell Software Inc.
12/023920	8001074	FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR	Dell Software Inc.
12/036167		LAZY EVALUATION OF BULK FORECASTS	Dell Software Inc.
12/059505	8131723	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	Dell Software Inc.
12/070164	9100335	PROCESSING A MESSAGE BASED ON A BOUNDARY IP ADDRESS AND DECAY VARIABLE	Dell Software Inc.
12/099837	8364648	RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY	Dell Software Inc.
12/143210	7752336	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
12/182364	8046550	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	Dell Software Inc.
12/238205	8813221	REASSEMBLY-FREE DEEP PACKET INSPECTION ON MULTI-CORE HARDWARE	Dell Software Inc.
12/240784	8191134	LOCKLESS DISTRIBUTED IPSEC PROCESSING	Dell Software Inc.
12/240892	7990974	PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
12/333132	9071993	CENTRALIZED WIRELESS LAN LOAD BALANCING	Dell Software Inc.
12/339053	8194674	SYSTEM AND METHOD FOR AGGREGATING COMMUNICATIONS AND FOR TRANSLATING BETWEEN OVERLAPPING INTERNAL NETWORK ADDRESSES AND UNIQUE EXTERNAL NETWORK ADDRESSES	Dell Software Inc.
12/370399	8175863	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	Dell Software Inc.
12/395524	8903983	METHOD, SYSTEM AND APPARATUS FOR MANAGING, MODELING, PREDICTING, ALLOCATING AND UTILIZING RESOURCES AND BOTTLENECKS IN A COMPUTER NETWORK	Dell Software Inc.

Application Number	Registration Number	Title	Owner
12/400559	8935701	UNIFIED MANAGEMENT PLATFORM IN A COMPUTER NETWORK	Dell Software Inc.
12/474688	8015454	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	Dell Software Inc.
12/475729	8108476	HIGH PERFORMANCE ELECTRONIC MESSAGE DELIVERY ENGINE	Dell Software Inc.
12/488657	8060889	METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES	Dell Software Inc.
12/497328		PROXY-LESS SECURE SOCKETS LAYER (SSL) DATA INSPECTION	Dell Software Inc.
12/500109	7941385	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
12/502035	8135930	REPLICATION SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
12/502052	8060476	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
12/502189	8108477	MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	Dell Software Inc.
12/509955	8276202	CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
12/537831		OPTIMIZED COPY OF VIRTUAL MACHINE STORAGE FILES	Dell Software Inc.
12/547860	8321939	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
12/559156	8311985	REMOTE BACKUP AND RESTORE SYSTEM AND METHOD	Dell Software Inc.
12/566231	8429649	SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
12/567069	8452731	REMOTE BACKUP AND RESTORE	Dell Software Inc.
12/571250	8676759	CONTINUOUS DATA BACKUP USING REAL TIME DELTA STORAGE	Dell Software Inc.
12/575342	8171201	SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE	Dell Software Inc.
12/605193		INSTRUMENTATION OF PROGRAM CODE FOR DYNAMIC ANALYSIS	Dell Software Inc.
12/612569	8245242	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
12/651299	8718318	FINGERPRINT DEVELOPMENT IN IMAGE BASED SPAM BLOCKING	Dell Software Inc.
12/651327	8578484	IDENTIFICATION OF CONTENT	Dell Software Inc.
12/661470	8522347	REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	Dell Software Inc.
12/691616	7979441	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.

Application Number	Registration Number	Title	Owner
12/695385	8086937	METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
12/695407	8051361	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
12/715335	8693782	IMAGE BASED SPAM BLOCKING	Dell Software Inc.
12/715337	8578485	IDENTIFICATION OF CONTENT BY METADATA	Dell Software Inc.
12/724363	8189608	WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.
12/725191	8260750	INTELLIGENT BACKUP ESCALATION SYSTEM	Dell Software Inc.
12/762162	8996468	BLOCK STATUS MAPPING SYSTEM FOR REDUCING VIRTUAL MACHINE BACKUP STORAGE	Dell Software Inc.
12/770354	7912929	MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT	Dell Software Inc.
12/785364	8429301	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
12/816460	8687490	ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE	Dell Software Inc.
12/822439	7917522	TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	Dell Software Inc.
12/838009	8331391	NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER	Dell Software Inc.
12/844297	8086782	TAPE IMAGE ON NON-TAPE STORAGE DEVICE	Dell Software Inc.
12/845215	8151140	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
12/846102	7996415	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
12/850587	8136143	GENERALIZED POLICY SERVER	Dell Software Inc.
12/869138	7970748	SYSTEMS AND METHODS FOR REORGANIZING A DATABASE OBJECT	Dell Software Inc.
12/878609	8332942	FILE SYSTEM EVENT TRACKING	Dell Software Inc.
12/901824	8195628	METHOD AND SYSTEM FOR DATA REDUCTION	Dell Software Inc.
12/901888	8544023	MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
12/902930		BOOT RESTORE SYSTEM FOR RAPIDLY RESTORING VIRTUAL MACHINE BACKUPS	Dell Software Inc.

Application Number	Registration Number	Title	Owner
12/906653	8229962	LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS	Dell Software Inc.
12/913668	8272057	METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	Dell Software Inc.
12/914767		SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO COMPUTER APPLICATIONS OR DATA	Dell Software Inc.
12/939637	8499001	SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA	Dell Software Inc.
12/959913	8438352	DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES	Dell Software Inc.
13/015526	8484301	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
13/016899	8195833	SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK	Dell Software Inc.
13/022858	8171247	METHOD FOR BACKUP STORAGE DEVICE SELECTION	Dell Software Inc.
13/053196	8914410	QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
13/080638	8296382	EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	Dell Software Inc.
13/085421	8285804	DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
13/092051	8639827	SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES	Dell Software Inc.
13/098298		SYSTEM FOR PROVIDING STRUCTURED QUERY LANGUAGE ACCESS TO NON-RELATIONAL DATA STORES	Dell Software Inc.
13/101863	8453145	SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/155819	8671447	NET-BASED EMAIL FILTERING	Dell Software Inc.
13/156199		CATALOGING SYSTEM FOR IMAGE-BASED BACKUP	Dell Software Inc.
13/158204	9047574	STORAGE CAPACITY PLANNING	Dell Software Inc.
13/179356	8185598	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	Dell Software Inc.
13/179405	8175862	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES	Dell Software Inc.
13/179813	8145864	DISCOVERING DATA STORAGE FOR BACKUP	Dell Software Inc.
13/179904	8200706	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
13/196454	8594131	PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
13/196480	8370374	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.

Application Number	Registration Number	Title	Owner
13/196484	8626689	DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATION	Dell Software Inc.
13/209018	8332346	FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR	Dell Software Inc.
13/210324	8910279	REPUTATION BASED THREAT PROTECTION	Dell Software Inc.
13/218362	8898114	MULTITIER DEDUPLICATION SYSTEMS AND METHODS	Dell Software Inc.
13/225258	8347148	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	Dell Software Inc.
13/226376	9015199	METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	Dell Software Inc.
13/228351	9141442	AUTOMATED CONNECTOR CREATION FOR PROVISIONING SYSTEMS	Dell Software Inc.
13/235254	8527543	SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING	Dell Software Inc.
13/241004	8205139	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
13/242916	8352523	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	Dell Software Inc.
13/244167	8166265	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/244187	8375003	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
13/316134	9119109	METHOD AND APPARATUS TO PERFORM MULTI-CONNECTION TRAFFIC ANALYSIS AND MANAGEMENT	Dell Software Inc.
13/333650	8584218	DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS	Dell Software Inc.
13/335743	8577669	EFFICIENT STRING SEARCH	Dell Software Inc.
13/340509	8776210	STATISTICAL MESSAGE CLASSIFIER	Dell Software Inc.
13/360971	8688794	SIGNATURE GENERATION USING MESSAGE SUMMARIES	Dell Software Inc.
13/361659	8463861	MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	Dell Software Inc.
13/364214	8935311	GENERALIZED POLICY SERVER	Dell Software Inc.
13/366166	8738972	SYSTEMS AND METHODS FOR REAL-TIME MONITORING OF VIRTUALIZED ENVIRONMENTS	Dell Software Inc.
13/368240	9311375	SYSTEMS AND METHODS FOR COMPACTING A VIRTUAL MACHINE	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		FILE	
13/406305	8650578	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	Dell Software Inc.
13/416283	8312093	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	Dell Software Inc.
13/425166	8271755	DISCOVERING DATA STORAGE FOR BACKUP	Dell Software Inc.
13/436624	8375248	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	Dell Software Inc.
13/445130	8255654	METHOD FOR BACKUP STORAGE DEVICE SELECTION	Dell Software Inc.
13/448010	8335902	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/448220	8332571	SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE	Dell Software Inc.
13/451274	9215142	COMMUNITY ANALYSIS OF COMPUTING PERFORMANCE	Dell Software Inc.
13/455583	8266231	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	Dell Software Inc.
13/460774		PERSONALIZED ELECTRONIC-MAIL DELIVERY	Dell Software Inc.
13/464042	8364460	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	Dell Software Inc.
13/465708	8892415	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES	Dell Software Inc.
13/474339		SYSTEMS AND METHODS FOR RESERVING CAPACITY FOR FUTURE VIRTUAL MACHINE DEPLOYMENTS	Dell Software Inc.
13/478003	8594109	WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.
13/486989	8650167	METHOD AND SYSTEM FOR DATA REDUCTION	Dell Software Inc.
13/489276		METHOD, SYSTEM AND APPARATUS FOR CALCULATING CHARGEBACK FOR VIRTUALIZED COMPUTING RESOURCES	Dell Software Inc.
13/489751	8429198	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
13/491484	8578489	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
13/492330	9122627	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
13/534435	8365017	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	Dell Software Inc.

Application Number	Registration Number	Title	Owner
13/535031	8688644	SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA	Dell Software Inc.
13/546194	8700667	LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS	Dell Software Inc.
13/563490	8533744	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
13/587748	8584238	METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	Dell Software Inc.
13/594431		SYSTEMS AND METHODS FOR PERFORMANCE INDEXING	Dell Software Inc.
13/626777	8769678	CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
13/648259	8977696	DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
13/658709		SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS	Dell Software Inc.
13/658724		SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS	Dell Software Inc.
13/658732	8838654	DATA MODELING SYSTEM FOR RUNTIME SCHEMA EXTENSIBILITY	Dell Software Inc.
13/658747		DATA MODELING SYSTEM FOR ENABLING RUNTIME SCHEMA EXTENSIBILITY	Dell Software Inc.
13/658777	9215198	EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	Dell Software Inc.
13/670282	8640232	FILE SYSTEM EVENT TRACKING	Dell Software Inc.
13/686700	8966045	IDENTITY MIGRATION APPARATUS AND METHOD	Dell Software Inc.
13/713424	9098624	DEEP TYPE PARSING	Dell Software Inc.
13/714829	8972347	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	Dell Software Inc.
13/721588	8639974	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	Dell Software Inc.
13/721769	9122718	DYNAMIC DIRECTORY CONTROL EXECUTION	Dell Software Inc.
13/721811	9165027	DYNAMIC DIRECTORY CONTROL REGISTRATION	Dell Software Inc.
13/725008	8887009	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	Dell Software Inc.
13/745677	9275172	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	Dell Software Inc.
13/752020	8712970	RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		GUARANTEED DATA CONSISTENCY	
13/760024	8892587	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
13/764011	9311318	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
13/787693	8732256	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
13/789529	RE45327	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	Dell Software Inc.
13/804064		SYSTEM AND METHOD FOR ENFORCING ACCESS CONTROLS TO PUBLICLY-ACCESSIBLE WEB APPLICATIONS	Dell Software Inc.
13/804476		SYSTEM AND METHOD FOR INTERACTIVE TUTORIALS	Dell Software Inc.
13/826733	9338255	SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACKEND-PERFORMANCE DATA	Dell Software Inc.
13/836840	9,372,942	SYSTEM AND METHOD FOR FACILITATING DATA VISUALIZATION VIA A MAP-REDUCE FRAMEWORK	Dell Software Inc.
13/837740	8966503	SYSTEM AND METHOD FOR CORRELATING ANOMALOUS EVENTS	Dell Software Inc.
13/850002	9094365	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
13/850164	8856790	SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
13/853946		TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	Dell Software Inc.
13/864866	8978098	CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD	Dell Software Inc.
13/869071	9405776	REMOTE BACKUP AND RESTORE	Dell Software Inc.
13/869188	9032403	SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/906241		SYSTEM AND METHOD FOR DATA AGGREGATION AND ANALYSIS	Dell Software Inc.
13/906246		SYSTEM AND METHOD FOR CLASSIFYING DATA	Dell Software Inc.
13/906255	9390240	SYSTEM AND METHOD FOR QUERYING DATA	Dell Software Inc.
13/906262	9164820	SYSTEM AND METHOD FOR CORRECTING SCRAMBLED MESSAGES	Dell Software Inc.
13/912055	9189516	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
13/913413	8935348	MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	Dell Software Inc.
13/934912	9047272	SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA	Dell Software Inc.

Application Number	Registration Number	Title	Owner
13/935075		SYSTEM AND METHOD FOR INFERRING AND ADAPTING A NETWORK TOPOLOGY	Dell Software Inc.
13/957319		EFFICIENT DFA GENERATION FOR NON-MATCHING CHARACTERS AND CHARACTER CLASSES IN REGULAR EXPRESSIONS	Dell Software Inc.
13/957322		CONSTRUCTION ABORTION OF DFA BASED ON EXPRESSION	Dell Software Inc.
13/967202		QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
13/967205	9276920	TUNNELING USING ENCRYPTION	Dell Software Inc.
13/967207	9154489	QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
13/967208	9331992	ACCESS CONTROL	Dell Software Inc.
13/967210	9077671	REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	Dell Software Inc.
13/973859	8775164	EFFICIENT STRING SEARCH	Dell Software Inc.
14/010314	8898136	SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING	Dell Software Inc.
14/014637		DATA METRIC RESOLUTION RANKING SYSTEM AND METHOD	Dell Software Inc.
14/014707	9245248	DATA METRIC RESOLUTION PREDICTION SYSTEM AND METHOD	Dell Software Inc.
14/021852	8713583	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
14/034314	9077674	IDENTIFICATION OF CONTENT	Dell Software Inc.
14/047162	9317574	SYSTEM AND METHOD FOR MANAGING AND IDENTIFYING SUBJECT MATTER EXPERTS	Dell Software Inc.
14/064597	9065848	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/071146	9100427	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/071192	8918870	IDENTIFICATION OF CONTENT BY METADATA	Dell Software Inc.
14/073822	9183272	SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES	Dell Software Inc.
14/073823	9288060	SYSTEM AND METHOD FOR DECENTRALIZED AUTHENTICATION OF SUPPLICANT DEVICES	Dell Software Inc.
14/079308	9098330	PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
14/082397	8938781	SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS	Dell Software Inc.
14/089427		SYSTEM AND METHOD FOR DATA LOSS PREVENTION ACROSS HETEROGENEOUS COMMUNICATIONS PLATFORMS	Dell Software Inc.
14/089593	8908706	WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.

Application Number	Registration Number	Title	Owner
14/096866		DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATON	Dell Software Inc.
14/149658	9202043	SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES	Dell Software Inc.
14/150537	9294461	VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION	Dell Software Inc.
14/152812	9325649	SIGNATURE GENERATION USING MESSAGE SUMMARIES	Dell Software Inc.
14/153218		SYSTEM AND METHOD FOR PROACTIVE SCALING	Dell Software Inc.
14/153607	9195823	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	Dell Software Inc.
14/159593		SYSTEM AND METHOD FOR DYNAMIC DATA COLLECTION	Dell Software Inc.
14/166641	9203785	NET-BASED EMAIL FILTERING	Dell Software Inc.
14/172731	9152704	SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	Dell Software Inc.
14/177434		IMAGE BASED SPAM BLOCKING	Dell Software Inc.
14/178158		SYSTEM AND METHOD FOR MANAGING A CLUSTERED RADIO NETWORK	Dell Software Inc.
14/178165		SYSTEM AND METHOD FOR COLLECTING DATA FROM LOW-AVAILABILITY DEVICES	Dell Software Inc.
14/191648		SYSTEM AND METHOD FOR CONTENT-INDEPENDENT DETERMINATION OF FILE-SYSTEM-OBJECT RISK OF EXPOSURE	Dell Software Inc.
14/193194		DISCOVERING SITE OWNERS AND ENABLING COLLABORATION BETWEEN THEM IN A SHAREPOINT (OR SIMILAR) CORPORATE NETWORK	Dell Software Inc.
14/214013		CONTINUOUS DATA BACKUP USING REAL TIME DELTA STORAGE	Dell Software Inc.
14/226598	9021039	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
14/248215		SYSTEM AND METHOD TO STORE SHARED SESSIONS WITH ENCRYPTION	Dell Software Inc.
14/248234		RICH FORM GENERATOR FOR RESTFUL SERVICE	Dell Software Inc.
14/249147		INTUITIVE REPRESENTATION OF END-TO-END PERFORMANCE DIAGNOSTIC MONITORING BASED ON DIFFERENTIAL ANALYSIS	Dell Software Inc.
14/263699	9130847	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
14/264889		A METHOD FOR IDENTIFYING GROUPINGS OF USER ACTIVITY USING THE K-MEANS CLUSTERING ALGORITHM APPLIED TO TEMPORAL ACTIVITY DATA	Dell Software Inc.
14/265973		ENTERPRISE MEETING / CONFERENCE RESOURCE ANALYTICS	Dell Software Inc.

Application Number	Registration Number	Title	Owner
14/276984	9237129	A METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)	Dell Software Inc.
14/292135		CORRELATING PERFORMANCE ISSUES AND ERRORS TO FIND CORRELATION ACROSS FACTORS	Dell Software Inc.
14/297944		METHOD FOR VARIABLE SECURITY / POLICY SETTINGS BASED ON USER CONTEXT	Dell Software Inc.
14/298095	9349016	SYSTEM AND METHOD FOR USER-CONTEXT-BASED DATA LOSS PREVENTION	Dell Software Inc.
14/305249		WEB SITE CERTIFICATE BYPASS ANALYSIS AND REPORTING	Dell Software Inc.
14/312645	9,386,046	STATISTICAL MESSAGE CLASSIFIER	Dell Software Inc.
14/318334	9203853	CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
14/319136		IDENTIFICATION OF UNAUTHORIZED APPLICATION DATA IN A CORPORATE NETWORK	Dell Software Inc.
14/319145		APPLICATION SIGNATURE AUTHORIZATION	Dell Software Inc.
14/319166		MOBILE APPLICATION CONTROL	Dell Software Inc.
14/325074		SYSTEM AND METHOD TO INJECT ADDITIONAL PRIVILEGES WITHOUT CHANGING USER IDENTITY TO ENABLE USER WORKSPACE MANAGEMENT	Dell Software Inc.
14/326230		EFFICIENT STRING SEARCH	Dell Software Inc.
14/335205		TRACKING, CLASSIFYING AND REPORTING OF COMMUNICATION AND CONTENT EVENTS TO EMPLOYEES' PERFORMANCE OBJECTIVES AND GOALS	Dell Software Inc.
14/456884		REASSEMBLY-FREE DEEP PACKET INSPECTION ON MULTI-CORE HARDWARE	Dell Software Inc.
14/472026	9325724	TIME ZERO CLASSIFICATION OF MESSAGES	Dell Software Inc.
14/472234	9215241	REPUTATION BASED THREAT PROTECTION	Dell Software Inc.
14/472329		SYSTEMS AND METHODS FOR OPTIMIZING COMPUTER PERFORMANCE	Dell Software Inc.
14/475441		NOTIFICATION FOR REASSEMBLY-FREE FILE SCANNING	Dell Software Inc.
14/491829		MESSAGE DISTRIBUTION CONTROL	Dell Software Inc.
14/530668		WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.
14/536062		AUTOMATED LARGE ATTACHMENT PROCESSING DURING MIGRATION	Dell Software Inc.
14/541791		METHOD FOR SECURELY DESCRIBING AND NEGOTIATING SECURITY REQUIREMENTS FOR WORKLOADS	Dell Software Inc.

Application Number	Registration Number	Title	Owner
14/543829	9075804	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
14/556157		TRANSPARENT DEFERRED SPOOLING STORE AND FORWARD BASED ON STANDARD NETWORK SYSTEM AND CLIENT INTERFACE	Dell Software Inc.
14/562453		THIS BINARY PACKING PROTOCOL MINIMIZES BYTES ACROSS THE NETWORK.	Dell Software Inc.
14/562474		COMBINING RESPONSE TIME ANALYTICS, TOPOLOGY, AND MACHINE LEARNING BASED ON DIFFERENTIAL DIAGNOSTICS	Dell Software Inc.
14/562502		TRANSIENT STORAGE OF TRACE DATA IN TIME-BOXED ARCHIVERS TO HANDLE PEAK LOAD	Dell Software Inc.
14/568386		IDENTIFICATION AND RESOLUTION OF DUPLICATE INDEXES IN RELATIONAL DATABASE MANAGEMENT SYSTEMS	Dell Software Inc.
14/578065	9237163	MANAGING INFECTIOUS FORWARDED MESSAGES	Dell Software Inc.
14/581717	9231767	IDENTIFICATION OF CONTENT BY METADATA	Dell Software Inc.
14/587947		SECURE NEIGHBOR DISCOVERY (SEND) USING PRE-SHARED KEY	Dell Software Inc.
14/588181		EMAIL AND IDENTITY MIGRATION BASED ON RELATIONSHIP INFORMATION	Dell Software Inc.
14/589760		MILESTONE BASED DYNAMIC MULTIPLE WATCHDOG TIMEOUTS AND EARLY FAILURE DETECTION	Dell Software Inc.
14/591781		OPTIMIZING TRANSFER OF FRAGMENTED PACKETIZED DATA	Dell Software Inc.
14/603197		SECURE SHELL PUBLIC KEY AUDIT SYSTEM	Dell Software Inc.
14/603208		DYNAMICALLY GENERATED SSID	Dell Software Inc.
14/605229		DYNAMICALLY PARTITIONING A MAILING LIST BASED ON A-PRIORI CATEGORIES AND CONTEXTUAL ANALYSIS	Dell Software Inc.
14/605731		PROXY AUTHENTICATION FOR MULTIPLE CORE NETWORK DEVICE	Dell Software Inc.
14/606451		DYNAMIC BYPASS OF TLS CONNECTIONS MATCHING EXCLUSION LIST IN DPI-SSL IN A NAT DEPLOYMENT	Dell Software Inc.
14/607776	9274758	SYSTEM AND METHOD FOR CREATING CUSTOMIZED PERFORMANCE-MONITORING APPLICATIONS	Dell Software Inc.
14/607907		SYSTEM TO GENERATE DEPENDENCY TOPOLOGY MAP FOR CLOUD INFRASTRUCTURE	Dell Software Inc.
14/610259		LOGICAL LEVEL PREDICTIVE CACHING FOR RELATIONAL DATABASES	Dell Software Inc.

Application Number	Registration Number	Title	Owner
14/613,917		HYBRID APPROACH TO STORAGE OF IT PERFORMANCE DATA IN AND INTEGRATED SOLUTION ENVIRONMENT	Dell Software Inc.
14/619853		SELECTIVE DATA COLLECTION USING A MANAGEMENT SYSTEM	Dell Software Inc.
14/619897		VISUAL FILTERING OF CODE CALL TREE DATA	Dell Software Inc.
14/628889		DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
14/629583		FILE AND MOVE DATA TO SHRINK DATAFILES	Dell Software Inc.
14/631826		SYSTEMS AND METHODS FOR EVENT-BASED AUTHENTICATION	Dell Software Inc.
14/633826		VISUAL TRANSFORM AND CLEANSE BASED ITERATIVE QUERY BUILDER	Dell Software Inc.
14/637315		ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
14/638298		METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	Dell Software Inc.
14/640706		DISCOVERY OF POTENTIAL PROBLEMATIC EXECUTION PLANS IN A BIND-SENSITIVE SQL STATEMENT	Dell Software Inc.
14/645129		AUTOMATED LARGE FILE PROCESSING WITH EMBEDDED VISUAL CUES	Dell Software Inc.
14/645383		UNIFIED BANDWIDTH MANAGEMENT ON DISTRIBUTED NETWORK ENVIRONMENT	Dell Software Inc.
14/645393		METHOD AND SYSTEM FOR DESTROYING SENSITIVE ENTERPRISE DATA ON PORTABLE DEVICES	Dell Software Inc.
14/657904		CENTRALLY MANAGED LICENSING IN A GLOBAL VPN INFRASTRUCTURE	Dell Software Inc.
14/660697		SYSTEMS AND METHODS OF PATTERNIZING LOGGED USER-INITIATED EVENTS FOR SCHEDULING FUNCTIONS	Dell Software Inc.
14/665292		AUTOMATIC OPTIMIZATION OF CONTINUOUS PROCESSES	Dell Software Inc.
14/665315		FIREWALL MULTI LEVEL SECURITY DYNAMIC HOST BASED SANDBOX GENERATION FOR EMBEDDED URL LINKS	Dell Software Inc.
14/666180		NON RFC COMPLIANT PROTOCOL CLASSIFICATION BASED ON REAL USE	Dell Software Inc.
14/666410		SYSTEMS AND METHODS FOR FACILITATING PORTABLE USER SESSIONS	Dell Software Inc.
14/666918		ADAPTIVE SAMPLING VIA ADAPTIVE OPTIMAL EXPERIMENTAL DESIGNS TO EXTRACT MAXIMUM INFORMATION FROM LARGE DATA REPOSITORIES	Dell Software Inc.
14/672675		HOST SOFTWARE BASED OPTIMIZED	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		INSTANT CLONES	
14/672715		SYSTEM AND METHODS OF SECURING NETWORK-ACCESSIBLE PERIPHERAL DEVICES	Dell Software Inc.
14/672791		METHOD AND SYSTEM TO IMPROVE THE LOOKUP OF ESTIMATES OF INFORMATION USING PATTERN BASED HEURISTICS	Dell Software Inc.
14/674270		SYSTEMS AND METHODS OF AUTOMATIC TRAINING INITIATION BASED ON AN ANALYSIS OF USER-INITIATED COMMUNICATION EVENTS	Dell Software Inc.
14/683416		USAGE AND SYMPTOM ORIENTED SQL OPTIMIZATION	Dell Software Inc.
14/683441		SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	Dell Software Inc.
14/683453		SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	Dell Software Inc.
14/683462		SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	Dell Software Inc.
14/683465		SYSTEMS AND METHODS OF TRACKING CONTENT-EXPOSURE EVENTS	Dell Software Inc.
14/683513		SYSTEMS AND METHODS OF REPORTING CONTENT-EXPOSURE EVENTS	Dell Software Inc.
14/687732		ENHANCED MANAGEMENT OF MIGRATION AND ARCHIVING OPERATIONS	Dell Software Inc.
14/690600		GRAPH THEORY AND NETWORK ANALYTICS AND DIAGNOSTICS FOR PROCESS OPTIMIZATION IN MANUFACTURING	Dell Software Inc.
14/692169		SQL JOIN PLAN REPRESENTATION	Dell Software Inc.
14/694634		DETECTING UNAUTHORIZED, RISKY, OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF REMOTE SHELL PROTOCOL BANDWIDTH	Dell Software Inc.
14/694647		DETECTING SHARED OR COMPROMISED CREDENTIALS THROUGH ANALYSIS OF SIMULTANEOUS ACTIONS	Dell Software Inc.
14/695681		PARTITIONING TARGET DATA TO IMPROVE DATA REPLICATION PERFORMANCE	Dell Software Inc.
14/696839	9313158	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
14/700444		ACCESS TO DISPARATE CLOUD SERVICES	Dell Software Inc.
14/700502		DETECTING UNAUTHORIZED RISKY OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF TASK COMPLETION TIMING	Dell Software Inc.
14/702858		METHOD OF OPTIMIZING COMPLEX SQL STATEMENTS USING A REGION	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		DIVIDED PREFERENTIAL SQL REWRITE OPERATION	
14/705878		DEVICE ASSET TRACKING AND SERVICE DESK USING AN EXTERNAL MANAGEMENT SYSTEM AS A DATA SOURCE	Dell Software Inc.
14/706060		SELECTING A CLOUD FROM A PLURALITY OF CLOUDS FOR A WORKLOAD	Dell Software Inc.
14/708110		TWO STAGE MEMORY ALLOCATION USING A CACHE	Dell Software Inc.
14/718804		SYSTEM AND METHOD FOR AGGLOMERATIVE CLUSTERING	Dell Software Inc.
14/719121		METHOD FOR DETERMINING PREDICTIVE RESPONSE TIME ACROSS ENTERPRISE COMMUNICATION SYSTEMS	Dell Software Inc.
14/719224		PROCESSING UNKNOWN OR UNEXPECTED PROPERTIES ENCOUNTERED DURING MIGRATION OR ARCHIVING OPERATIONS	Dell Software Inc.
14/722055		REDUCING TRANSMISSION PATHWAY LENGTHS WITHIN A DISTRIBUTED NETWORK	Dell Software Inc.
14/722125		SYSTEM AND METHOD FOR ADAPTIVE PATHS LOCATOR FOR VIRTUAL NETWORK FUNCTION LINKS	Dell Software Inc.
14/722854		CONTENT-BASED ENCRYPTION KEYS	Dell Software Inc.
14/722914		DATA FINGERPRINT STRENGTHENING	Dell Software Inc.
14/725778		MODEL BASED SYSTEM AND METHODS TO GENERATE END-TO-END DEPENDENCY GRAPH IN MULTI-LAYER NETWORK FUNCTION VIRTUALIZATION MONITORING SYSTEMS	Dell Software Inc.
14/726971		METHOD AND APPARATUS TO EXTRAPOLATE SARCASM AND IRONY USING MULTI-DIMENSIONAL MACHINE LEARNING BASED LINGUISTIC ANALYSIS	Dell Software Inc.
14/731252		SELECTIVELY SUPPRESS OR THROTTLE MIGRATION OF DATA ACROSS WAN CONNECTIONS	Dell Software Inc.
14/731271		MIGRATION ENHANCED BY PRESENCE, INSTANT MESSAGING, AND LAST LOG-ON TIME	Dell Software Inc.
14/731278		MIGRATE NICKNAME CACHE FOR EMAIL SYSTEMS AND DEVICES	Dell Software Inc.
14/731283		DETERMINE CONFIDENCE OF MAIL ARCHIVE OWNERSHIP FROM SENDERS IN "SENT ITEMS" FOLDER	Dell Software Inc.
14/738087		DYNAMICALLY OPTIMIZING DATA ACCESS PATTERNS USING PREDICTIVE CROWDSOURCING	Dell Software Inc.

Application Number	Registration Number	Title	Owner
14/741021		A SYSTEM FOR ENABLING INDIVIDUAL TENANTS IN A MULTI-TENANT SAAS ENVIRONMENT TO CONTROL THEIR OWN UPGRADE TIMELINES ON AN ACCOUNT-BY-ACCOUNT BASIS.	Dell Software Inc.
14/747860		METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/755592		CENTRALIZED WIRELESS LAN LOAD BALANCING	Dell Software Inc.
14/793640		ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
14/793683		REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	Dell Software Inc.
14/797010		SYSTEM AND METHOD FOR IMPROVING SECURITY INTELLIGENCE THROUGH INVENTORY DISCOVERY	Dell Software Inc.
14/811794		METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
14/812823		MANAGING ALERT PROFILES	Dell Software Inc.
14/815221		AUTOMATIC DETERMINATION OF OPTIMAL TIME WINDOW FOR MIGRATION, BACKUP OR OTHER PROCESSES	Dell Software Inc.
14/815866		SOCIAL MEDIA LOGIN AND INTERACTION MANAGEMENT	Dell Software Inc.
14/816900		PROCESSING A MESSAGE BASED ON A BOUNDARY IP ADDRESS AND DECAY VARIABLE	Dell Software Inc.
14/818215		METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/818218		PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
14/819104		UNIFIED SOURCE USER CHECKING OF TCP DATA PACKETS FOR NETWORK DATA LEAKAGE PREVENTION	Dell Software Inc.
14/819233		SYSTEMS AND METHODS FOR TUNING CROSS-PLATFORM DATA COLLECTION	Dell Software Inc.
14/819403		ADAPTIVE CORE GROUPING	Dell Software Inc.
14/821635		READ-AHEAD ON SIGNED CONNECTIONS WITH UNSIGNING INLINE TRANSPARENT PROXIES	Dell Software Inc.
14/826770		METHOD FOR PERFORMING IN-DATABASE DISTRIBUTED ADVANCED PREDICTIVE ANALYTICS MODELING VIA COMMON QUERIES	Dell Software Inc.
14/834319		METHOD AND APPARATUS TO PERFORM MULTI-CONNECTION TRAFFIC ANALYSIS AND MANAGEMENT	Dell Software Inc.
14/835530		DURING AN EMAIL MIGRATION,	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		CONVERTING DISTRIBUTION LIST MESSAGES INTO SINGLE-INSTANCED CONTENT WITHIN A COLLABORATION PLATFORM GROUP	
14/840739		CORRELATING EVENT LOGS TO IDENTIFY A POTENTIAL SECURITY BREACH	Dell Software Inc.
14/842693		OPTIMIZED AND CONSISTENT REPLICATION OF FILE OVERWRITES	Dell Software Inc.
14/844951		AUTOMATICALLY APPLYING DATA LOSS PREVENTION RULES DURING MIGRATION	Dell Software Inc.
14/845050		PROVIDING CONTROLLED ACCESS TO ADMIN CREDENTIALS DURING A MIGRATION	Dell Software Inc.
14/845467		IDENTIFYING ISSUES PRIOR TO DEPLOYING SOFTWARE	Dell Software Inc.
14/845756		GOVERNANCE POLICY FRAMEWORK FOR CLOUD RESOURCES	Dell Software Inc.
14/858299		RISK ANALYSIS AND EFFICIENT UPDATE FOR LARGE SCALE SHAREPOINT CONTENT CHANGES	Dell Software Inc.
14/858341		MODEL-BASED VDI MONITORING AND REMOTE DISPLAY SESSION LATENCY DIAGNOSTIC	Dell Software Inc.
14/861608		SYSTEM AND METHOD FOR DUPLICATING CUSTOMER DEPLOYMENTS USING SANITIZED TOPOLOGIES	Dell Software Inc.
14/867615		ELECTRONIC-MESSAGING SYSTEM INTERCEPTOR FORWARDING CLIENT NOTIFICATIONS	Dell Software Inc.
14/869072		SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES	Dell Software Inc.
14/869758		SIZING OF ONE OR MORE JOBS WITHIN ONE OR MORE TIME WINDOWS	Dell Software Inc.
14/870470		COMBINING A SET OF RISK FACTORS TO PRODUCE A TOTAL RISK SCORE WITHIN A RISK ENGINE	Dell Software Inc.
14/872525		COLLECTING AND TRANSMITTING DIAGNOSTICS INFORMATION FROM PROBLEMATIC DEVICES	Dell Software Inc.
14/874587		FOLDERS THAT EMPLOY DYNAMIC USER TRAINING RULES TO ORGANIZE CONTENT	Dell Software Inc.
14/875120		PREDICTING QUALITY OF EXPERIENCE FOR VOIP CONFERENCES BASED ON CORRELATES OF SCHEDULING AND NATIVE QOE DATA	Dell Software Inc.
14/875136		COMPRESSED METRIC FORMAT FOR MULTI-CORE CPU UTILIZATION	Dell Software Inc.
14/877391		IDENTITY AUTHENTICATION USING MULTIPLE DEVICES	Dell Software Inc.

Application Number	Registration Number	Title	Owner
14/879657		IDENTIFYING A POTENTIAL MENTOR FOR A COMPUTER-ADMINISTERED TEST	Dell Software Inc.
14/886,884		DYNAMIC PROFILE-BASED TIME SERIES COMPRESSION METHOD	Dell Software Inc.
14/919930		EMAIL AND IDENTITY MIGRATION BASED ON MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS	Dell Software Inc.
14/926566		CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
14/929460		AUGMENTED CONTENT-BASED CLASSIFICATION THROUGH COMMUNICATION USAGE TEXT ENRICHMENT TECHNIQUE	Dell Software Inc.
14/929482		CONTEXT BASED LOG DIMENSIONS ANALYSIS (RE-SUBMISSION FOR 104091 - LOG EVENT AND PERFORMANCE METRICS CORRELATION)	Dell Software Inc.
14/931454		AGENT MANAGED CONTAINER	Dell Software Inc.
14/934720		PLATFORM FOR ADMINISTRATION OF PERSONAL HEALTH INFORMATION	Dell Software Inc.
14/937776		FIREWALL INFORMED BY WEB SERVER SECURITY POLICY IDENTIFYING AUTHORIZED RESOURCES AND HOSTS	Dell Software Inc.
14/938573		USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
14/938580		DOCUMENT LINK MIGRATION	Dell Software Inc.
14/942776		METHOD TO AUTOMATICALLY CREATE OFFICE 365 GROUPS USING MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS.	Dell Software Inc.
14/948,133		RESOURCE AWARE CLASSIFICATION SYSTEM	Dell Software Inc.
14/956,464		DETERMINING A RISK INDICATOR BASED ON CLASSIFYING DOCUMENTS USING A CLASSIFIER	Dell Software Inc.
14/956298		INTERNET OF THINGS DYNAMIC DATA LOSS PREVENTION	Dell Software Inc.
14/960043		DISTRIBUTED DATABASE DRIVER MIDDLEWARE	Dell Software Inc.
14/962,211		USAGE-BASED MODIFICATION OF USER PRIVILEGES	Dell Software Inc.
14/964027		REGISTERING NETWORK DEVICES USING KNOWN HOST DEVICES	Dell Software Inc.
14/964502		A METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)	Dell Software Inc.
14/965859		AUTOMATIC TUNNELS ROUTING LOOP ATTACK DEFENSE	Dell Software Inc.
14/965866		REASSEMBLY FREE DEEP PACKET INSPECTION FOR PEER TO PEER NETWORKS	Dell Software Inc.
14/968455		PRINTED DOCUMENT CONTROL WITH	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		VERIFIED UNIQUE WATERMARKS	
14/968786		REPUTATION BASED THREAT PROTECTION	Dell Software Inc.
14/968829		ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
14/975625		TCP TRAFFIC PRIORITY CONTROL BASED ON TCP WINDOW ADJUSTMENT IN BANDWIDTH MANAGEMENT	Dell Software Inc.
14/976,652		A CENTRALIZED LANGUAGE MANAGEMENT SYSTEM TOOL FOR DISTRIBUTED SYSTEM	Dell Software Inc.
14/980009		CONTEXT-AWARE DELEGATION ENGINE	Dell Software Inc.
14/981299		CONTROLLING CONTENT MODIFICATIONS BY ENFORCING ONE OR MORE CONSTRAINT LINKS	Dell Software Inc.
14/987698		FAST IDENTIFICATION OF CONTENT	Dell Software Inc.
14/989654		EMAIL RECOVERY VIA EMULATION AND INDEXING	Dell Software Inc.
14/989657		SMART EXCHANGE DATABASE INDEX	Dell Software Inc.
14/991567		MANAGING PERSISTENT COOKIES ON A CORPORATE WEB PORTAL	Dell Software Inc.
14/993059		MANAGING INFECTIOUS MESSAGES AS IDENTIFIED BY AN ATTACHMENT	Dell Software Inc.
14/994328		TEMPORARY DISPOSABLE PORTABLE IDENTIFIER	Dell Software Inc.
14/996036		USER BASED STATELESS IPV6 RA-GUARD	Dell Software Inc.
14/996133		DYNAMIC DNS DESTINATION SELECTION	Dell Software Inc.
15/000867		DELAYING ONE OR MORE SEARCHES TO CAUSE MULTIPLE SEARCHES TO LOAD AND EVALUATE SEGMENTS TOGETHER	Dell Software Inc.
15/005840		MULTIDIMENSIONAL SYNOPSIS GENERATION	Dell Software Inc.
15/005846		OPTIMIZER MODULE IN HIGH LOAD CLIENT/SERVER SYSTEMS	Dell Software Inc.
15/006,875		PRIVACY ENABLED MOBILE DEVICE IDENTIFICATION FOR BYOD POLICIES.	Dell Software Inc.
15/006,891		IDENTIFYING COMMON CONFIGURATIONS IN DISTRIBUTED ENVIRONMENTS WITH MEMORABLE HASH NAMES	Dell Software Inc.
15/006933		MESSAGE RECOMMENDATION USING WORD ISOLATION AND CLUSTERING	Dell Software Inc.
15/008,081		RECOVERING A SPECIFIED SET OF DOCUMENTS FROM A DATABASE BACKUP	Dell Software Inc.
15/009,617		READ-ONLY FILE SYSTEM FOR TESTING DE-DUPLICATION	Dell Software Inc.
15/010960		RISK AND VALUE BASED INFORMATION	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		CLASSIFICATION SYSTEM.	
15/017,107		CONTEXT-AWARE DELEGATION RISK SYSTEM	Dell Software Inc.
15/018,059		DEPUTIZING AGENTS TO REDUCE A VOLUME OF EVENT LOGS SENT TO A COORDINATOR	Dell Software Inc.
15/019756		PROVIDING A SINGLE INTERFACE FOR ACCESSING RESOURCES THAT ARE DISTRIBUTED AMONG MULTIPLE PLATFORMS	Dell Software Inc.
15/040793		NETWORK CHANGE AUDITING SYSTEM	Dell Software Inc.
15/048563		SYSTEM AND METHOD FOR CONTROL OF PRINTED DOCUMENTS BASED ON CLASSIFICATION	Dell Software Inc.
15/055,210		SYSTEM AND METHOD FOR APPLYING DOCUMENT VERSIONING ACROSS AN ENTIRE ENTERPRISE	Dell Software Inc.
15/055,901		GENERATING SIMULATION DATA USING A LINEAR CURVE SIMPLIFICATION AND REVERSE SIMPLIFICATION METHOD	Dell Software Inc.
15/057,747		METHOD AND APPARATUS FOR MULTIMEDIA CONTENT FILTERING	Dell Software Inc.
15/061,209		CONTAINER SECURITY ENHANCEMENTS USING SIGNATURES, ENCRYPTION AND ADDITIONAL ACCESS CONTROL/GOVERNANCE	Dell Software Inc.
15/061,241		DYNAMIC CONTAINER MANIFEST CREATION	Dell Software Inc.
15/061,260		CONTAINER EXECUTION PROTOCOL	Dell Software Inc.
15/062,905		MONITORING, ANALYZING, AND MAPPING OF COMPUTING RESOURCES	Dell Software Inc.
15/067643		AUTO QUERY CONSTRUCTION FOR IN-DATABASE PREDICTIVE ANALYTICS	Dell Software Inc.
15/072,715		DETERMINING DATA THAT IS COLLECTED WHEN AN EMPLOYEE USES CORPORATE RESOURCES	Dell Software Inc.
15/072,987		OBTAINING EMPLOYEE PERMISSION TO COLLECT DATA ASSOCIATED WITH EMPLOYEE USE OF CORPORATE RESOURCES	Dell Software Inc.
15/073,154		PROVIDING AN EMPLOYEE A PERK TO COLLECT DATA OF EMPLOYEE USAGE OF CORPORATE RESOURCES	Dell Software Inc.
15/077891		VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION	Dell Software Inc.
15/081,104		SYSTEMS AND METHODS FOR DIAGNOSTIC ANALYSIS OF MEDIA-STREAM COMBINATIONS	Dell Software Inc.
15/081014		MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
15/084,677		METHOD AND SYSTEM FOR DYNAMIC DISCOVERY OF CONTAINER BASED	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		MICRO SERVICES AND APPLICATIONS	
15/085,180		NETWORK OPTIMIZATION AND CLIENT STEERING BASED ON WIRELESS DATA RATE CAPABILITIES OF MIXED CLIENT DEVICES	Dell Software Inc.
15/094,257		SYSTEMS AND METHODS FOR CLOUD-BASED DEVICE CONFIGURATION MANAGEMENT OF HETEROGENEOUS DEVICES	Dell Software Inc.
15/132120		PRESERVING DATA PROTECTION AND ENABLING SECURE CONTENT AWARENESS IN QUERY SERVICES	Dell Software Inc.
15/136,464		APPARATUS FOR EVENT CATEGORIZATION AND PUBLISHING	Dell Software Inc.
15/136,586		PRIORITIZED MESSAGING SYSTEM	Dell Software Inc.
15/136505		SYSTEMS AND METHODS FOR USING A STRUCTURED QUERY DIALECT TO ACCESS DOCUMENT DATABASES AND MERGING WITH OTHER SOURCES	Dell Software Inc.
15/138701		SYMBIOTIC DATA INSIGHTS FROM HARMONIZED QUERIES	Dell Software Inc.
15/139672		METHOD FOR IN-DATABASE FEATURE SELECTION IN HIGH-DIMENSIONAL INPUTS	Dell Software Inc.
15/142,351		AUTOMATICALLY GENERATED EMPLOYEE PROFILES	Dell Software Inc.
15/149,750		SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACK-END PERFORMANCE DATA	Dell Software Inc.
15/150,592		DETERMINING A THREAT SEVERITY ASSOCIATED WITH AN EVENT	Dell Software Inc.
15/154,062		ELECTRONIC MAIL (EMAIL) MESSAGE LIFECYCLE MANAGEMENT	Dell Software Inc.
15/155,243		PERFORMANCE TRACKING OF AN APPLICATION DURING A SINGLE USER SESSION	Dell Software Inc.
15/158,826		DISPATCHER FOR ADAPTIVE DATA COLLECTION	Dell Software Inc.
15045545		LEVERAGING CONTINUOUS REPLICATION TO COPY SNAPSHOT BACKUP IMAGE	Dell Software Inc.
62/321,661		REVERSE PROXY USING DNS NAMES DEMULTIPLEXES RESOURCE ACCESS	Dell Software Inc.
62/321655		SINGLE TIER ROUTING	Dell Software Inc.
62/321658		GLOBAL TRAFFIC OPTIMIZER OPTIMAL PROVIDER SELECTION	Dell Software Inc.
95/001458		APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM	Dell Software Inc.
95/001872		APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		SERVICES TO A LEGACY APPLICATION	
13/114282	8156192	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	Dell Software, Inc.