

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4705859

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST IN CERTAIN PATENT COLLATERAL AT REEL/FRAME NO. 040587/0624

CONVEYING PARTY DATA

Name	Execution Date
CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH	11/14/2017

RECEIVING PARTY DATA

Name:	QUEST SOFTWARE INC. (F/K/A DELL SOFTWARE INC.)
Street Address:	4 POLARIS WAY
City:	ALISO VIEJO
State/Country:	CALIFORNIA
Postal Code:	92656
Name:	AVENTAIL LLC
Street Address:	2001 LOGIC DRIVE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95124

PROPERTY NUMBERS Total: 671

Property Type	Number
Patent Number:	7917522
Patent Number:	7814260
Application Number:	09361678
Application Number:	09489759
Application Number:	09712890
Application Number:	09713479
Application Number:	09720277
Application Number:	09723855
Application Number:	09782586
Application Number:	09782593
Application Number:	09783146
Application Number:	09783147
Application Number:	09835054
Application Number:	09850877
Application Number:	09853371

PATENT

Property Type	Number
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:	10678965
Application Number:	10697846
Application Number:	10700615
Application Number:	10700616
Application Number:	10700617
Application Number:	10733808
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
Application Number:	10942292
Application Number:	10943541
Application Number:	10950355
Application Number:	10964871
Application Number:	10980375
Application Number:	10980875
Application Number:	11003920

Property Type	Number
Application Number:	11009692
Application Number:	11036603
Application Number:	11051321
Application Number:	11053770
Application Number:	11056525
Application Number:	11058828
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:	11251087
Application Number:	11251592
Application Number:	11264110
Application Number:	11294739
Application Number:	11300097
Application Number:	11311215
Application Number:	11352693
Application Number:	11370722
Application Number:	11371348
Application Number:	11419958
Application Number:	11424874
Application Number:	11439073
Application Number:	11455037
Application Number:	11457228
Application Number:	11471313
Application Number:	11507257

Property Type	Number
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:	11774267
Application Number:	11774272
Application Number:	11774278
Application Number:	11774297
Application Number:	11774310
Application Number:	11774319
Application Number:	11774333
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:	11903219
Application Number:	11903413
Application Number:	11926512
Application Number:	11926819
Application Number:	11927214
Application Number:	11927250
Application Number:	11927272
Application Number:	11927286
Application Number:	11927310
Application Number:	11927321
Application Number:	11927350

Property Type	Number
Application Number:	11927362
Application Number:	11927371
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
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:	12038219
Application Number:	12038223
Application Number:	12059505
Application Number:	12070164
Application Number:	12078174
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

Property Type	Number
Application Number:	12488657
Application Number:	12497328
Application Number:	12500109
Application Number:	12502035
Application Number:	12502052
Application Number:	12502189
Application Number:	12509955
Application Number:	12511436
Application Number:	12512884
Application Number:	12512891
Application Number:	12537831
Application Number:	12547860
Application Number:	12559156
Application Number:	12566231
Application Number:	12567069
Application Number:	12571250
Application Number:	12573690
Application Number:	12574580
Application Number:	12574990
Application Number:	12575342
Application Number:	12605193
Application Number:	12612569
Application Number:	12624354
Application Number:	12651299
Application Number:	12651327
Application Number:	12661470
Application Number:	12690018
Application Number:	12691616
Application Number:	12694198
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

Property Type	Number
Application Number:	12816460
Application Number:	12821060
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:	12901925
Application Number:	12902930
Application Number:	12906653
Application Number:	12913668
Application Number:	12914767
Application Number:	12938330
Application Number:	12939637
Application Number:	12954348
Application Number:	12955785
Application Number:	12955791
Application Number:	12959913
Application Number:	13004812
Application Number:	13015526
Application Number:	13016899
Application Number:	13022858
Application Number:	13038340
Application Number:	13041282
Application Number:	13053196
Application Number:	13080638
Application Number:	13081335
Application Number:	13085421
Application Number:	13092051
Application Number:	13098298
Application Number:	13101863
Application Number:	13114282
Application Number:	13155819

Property Type	Number
Application Number:	13156199
Application Number:	13158204
Application Number:	13158289
Application Number:	13158292
Application Number:	13179356
Application Number:	13179405
Application Number:	13179813
Application Number:	13179904
Application Number:	13182145
Application Number:	13182230
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:	13243965
Application Number:	13243985
Application Number:	13244167
Application Number:	13244187
Application Number:	13252170
Application Number:	13306878
Application Number:	13316134
Application Number:	13324874
Application Number:	13333650
Application Number:	13335743
Application Number:	13340509
Application Number:	13343924
Application Number:	13348318
Application Number:	13360971
Application Number:	13361659
Application Number:	13364214

Property Type	Number
Application Number:	13366166
Application Number:	13368240
Application Number:	13398616
Application Number:	13400548
Application Number:	13406305
Application Number:	13415324
Application Number:	13416283
Application Number:	13425166
Application Number:	13436624
Application Number:	13445130
Application Number:	13448010
Application Number:	13448220
Application Number:	13451274
Application Number:	13455583
Application Number:	13460774
Application Number:	13464042
Application Number:	13465708
Application Number:	13467424
Application Number:	13474339
Application Number:	13478003
Application Number:	13486989
Application Number:	13489276
Application Number:	13489751
Application Number:	13491484
Application Number:	13491679
Application Number:	13492330
Application Number:	13535031
Application Number:	13546194
Application Number:	13555534
Application Number:	13560762
Application Number:	13563490
Application Number:	13587748
Application Number:	13594431
Application Number:	13626777
Application Number:	13648259
Application Number:	13658709
Application Number:	13658724
Application Number:	13658732

Property Type	Number
Application Number:	13658747
Application Number:	13658777
Application Number:	13664658
Application Number:	13670282
Application Number:	13678881
Application Number:	13686700
Application Number:	13713424
Application Number:	13714829
Application Number:	13721588
Application Number:	13721769
Application Number:	13721811
Application Number:	13725008
Application Number:	13739731
Application Number:	13743191
Application Number:	13745677
Application Number:	13748743
Application Number:	13752020
Application Number:	13760024
Application Number:	13764011
Application Number:	13773475
Application Number:	13784575
Application Number:	13786759
Application Number:	13786781
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:	13862911
Application Number:	13864866
Application Number:	13869071
Application Number:	13869188
Application Number:	13906241

Property Type	Number
Application Number:	13906246
Application Number:	13906255
Application Number:	13906262
Application Number:	13907213
Application Number:	13912055
Application Number:	13913413
Application Number:	13934912
Application Number:	13935075
Application Number:	13937150
Application Number:	13952062
Application Number:	13957319
Application Number:	13957322
Application Number:	13967202
Application Number:	13967205
Application Number:	13967207
Application Number:	13967208
Application Number:	13967210
Application Number:	13970550
Application Number:	13973859
Application Number:	14010314
Application Number:	14010495
Application Number:	14014637
Application Number:	14014707
Application Number:	14021852
Application Number:	14034314
Application Number:	14047162
Application Number:	14047562
Application Number:	14058215
Application Number:	14061988
Application Number:	14064597
Application Number:	14071146
Application Number:	14071192
Application Number:	14073822
Application Number:	14073823
Application Number:	14076913
Application Number:	14079308
Application Number:	14082397
Application Number:	14089427

Property Type	Number
Application Number:	14089593
Application Number:	14096866
Application Number:	14149658
Application Number:	14150537
Application Number:	14152812
Application Number:	14153218
Application Number:	14153607
Application Number:	14154961
Application Number:	14159593
Application Number:	14166641
Application Number:	14167985
Application Number:	14169130
Application Number:	14169136
Application Number:	14172731
Application Number:	14177434
Application Number:	14178158
Application Number:	14178165
Application Number:	14185178
Application Number:	14191648
Application Number:	14193194
Application Number:	14214013
Application Number:	14226598
Application Number:	14245084
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:	14311485
Application Number:	14312645
Application Number:	14318334
Application Number:	14319136

Property Type	Number
Application Number:	14319145
Application Number:	14319166
Application Number:	14325074
Application Number:	14326230
Application Number:	14327006
Application Number:	14335205
Application Number:	14453121
Application Number:	14453150
Application Number:	14453158
Application Number:	14453165
Application Number:	14453173
Application Number:	14456884
Application Number:	14472026
Application Number:	14472234
Application Number:	14472329
Application Number:	14473190
Application Number:	14475408
Application Number:	14475441
Application Number:	14477767
Application Number:	14491829
Application Number:	14498597
Application Number:	14507731
Application Number:	14518063
Application Number:	14521035
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

Property Type	Number
Application Number:	14591781
Application Number:	14596186
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:	14624533
Application Number:	14628889
Application Number:	14629583
Application Number:	14631826
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:	14665315
Application Number:	14666180
Application Number:	14666410
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

Property Type	Number
Application Number:	14683513
Application Number:	14687732
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:	14719121
Application Number:	14722040
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:	14806072
Application Number:	14811794
Application Number:	14812823
Application Number:	14815221
Application Number:	14815866
Application Number:	14816900

Property Type	Number
Application Number:	14818215
Application Number:	14818218
Application Number:	14819104
Application Number:	14819233
Application Number:	14819403
Application Number:	14821635
Application Number:	14834319
Application Number:	14835530
Application Number:	14840739
Application Number:	14842693
Application Number:	14844951
Application Number:	14845050
Application Number:	14845467
Application Number:	14845756
Application Number:	14850096
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:	14884583
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

Property Type	Number
Application Number:	14938580
Application Number:	14942776
Application Number:	14948133
Application Number:	14949731
Application Number:	14956298
Application Number:	14956464
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
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:	14996608
Application Number:	15000867
Application Number:	15005840
Application Number:	15005846
Application Number:	15006875
Application Number:	15006891
Application Number:	15006933
Application Number:	15007092
Application Number:	15008081
Application Number:	15009617
Application Number:	15010960

Property Type	Number
Application Number:	15017079
Application Number:	15017107
Application Number:	15018059
Application Number:	15018809
Application Number:	15019756
Application Number:	15040793
Application Number:	15045545
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:	15067976
Application Number:	15072715
Application Number:	15072987
Application Number:	15073154
Application Number:	15074788
Application Number:	15075526
Application Number:	15077891
Application Number:	15081014
Application Number:	15081104
Application Number:	15082485
Application Number:	15084677
Application Number:	15085180
Application Number:	15094257
Application Number:	15132120
Application Number:	15133824
Application Number:	15136464
Application Number:	15136505
Application Number:	15136586
Application Number:	15138701
Application Number:	15142351
Application Number:	15149750
Application Number:	15150592
Application Number:	15154062

Property Type	Number
Application Number:	15155243
Application Number:	15158826
Application Number:	15170758
Application Number:	15173236
Application Number:	15210259
Application Number:	62321655
Application Number:	62321658
Application Number:	62321661
Application Number:	95001458
Application Number:	95001872

CORRESPONDENCE DATA

Fax Number: (714)755-8290

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

Email: IPDOCKET@LW.COM, KRISTIN.AZCONA@LW.COM

Correspondent Name: LATHAM & WATKINS LLP

Address Line 1: 650 TOWN CENTER DRIVE, 20TH FLOOR

Address Line 4: COSTA MESA, CALIFORNIA 92626

ATTORNEY DOCKET NUMBER:	030786-0747
NAME OF SUBMITTER:	KRISTIN J AZCONA
SIGNATURE:	/KJA/
DATE SIGNED:	11/28/2017

Total Attachments: 40

source=Seahawk - Patent (Second Lien) Release Executed#page1.tif
source=Seahawk - Patent (Second Lien) Release Executed#page2.tif
source=Seahawk - Patent (Second Lien) Release Executed#page3.tif
source=Seahawk - Patent (Second Lien) Release Executed#page4.tif
source=Seahawk - Patent (Second Lien) Release Executed#page5.tif
source=Seahawk - Patent (Second Lien) Release Executed#page6.tif
source=Seahawk - Patent (Second Lien) Release Executed#page7.tif
source=Seahawk - Patent (Second Lien) Release Executed#page8.tif
source=Seahawk - Patent (Second Lien) Release Executed#page9.tif
source=Seahawk - Patent (Second Lien) Release Executed#page10.tif
source=Seahawk - Patent (Second Lien) Release Executed#page11.tif
source=Seahawk - Patent (Second Lien) Release Executed#page12.tif
source=Seahawk - Patent (Second Lien) Release Executed#page13.tif
source=Seahawk - Patent (Second Lien) Release Executed#page14.tif
source=Seahawk - Patent (Second Lien) Release Executed#page15.tif
source=Seahawk - Patent (Second Lien) Release Executed#page16.tif
source=Seahawk - Patent (Second Lien) Release Executed#page17.tif
source=Seahawk - Patent (Second Lien) Release Executed#page18.tif

source=Seahawk - Patent (Second Lien) Release Executed#page19.tif
source=Seahawk - Patent (Second Lien) Release Executed#page20.tif
source=Seahawk - Patent (Second Lien) Release Executed#page21.tif
source=Seahawk - Patent (Second Lien) Release Executed#page22.tif
source=Seahawk - Patent (Second Lien) Release Executed#page23.tif
source=Seahawk - Patent (Second Lien) Release Executed#page24.tif
source=Seahawk - Patent (Second Lien) Release Executed#page25.tif
source=Seahawk - Patent (Second Lien) Release Executed#page26.tif
source=Seahawk - Patent (Second Lien) Release Executed#page27.tif
source=Seahawk - Patent (Second Lien) Release Executed#page28.tif
source=Seahawk - Patent (Second Lien) Release Executed#page29.tif
source=Seahawk - Patent (Second Lien) Release Executed#page30.tif
source=Seahawk - Patent (Second Lien) Release Executed#page31.tif
source=Seahawk - Patent (Second Lien) Release Executed#page32.tif
source=Seahawk - Patent (Second Lien) Release Executed#page33.tif
source=Seahawk - Patent (Second Lien) Release Executed#page34.tif
source=Seahawk - Patent (Second Lien) Release Executed#page35.tif
source=Seahawk - Patent (Second Lien) Release Executed#page36.tif
source=Seahawk - Patent (Second Lien) Release Executed#page37.tif
source=Seahawk - Patent (Second Lien) Release Executed#page38.tif
source=Seahawk - Patent (Second Lien) Release Executed#page39.tif
source=Seahawk - Patent (Second Lien) Release Executed#page40.tif

**RELEASE OF SECURITY INTEREST
IN CERTAIN PATENT COLLATERAL**

This RELEASE OF SECURITY INTEREST IN CERTAIN PATENT COLLATERAL, dated as of November 14, 2017 (this "Release"), is made by **CREDIT SUISSE AG, CAYMAN ISLANDS BRANCH**, as collateral agent for the Lenders and the other Secured Parties (the "Agent"), in favor of **QUEST SOFTWARE INC.** (f/k/a Dell Software Inc.) and **AVENTAIL LLC** ("Grantor"). Capitalized terms used in this Release and not otherwise defined herein have the meanings specified in the Patent Security Agreement (as defined below).

WITNESSETH

WHEREAS, pursuant to the Second Lien Patent Security Agreement, dated as of October 31, 2016, and recorded with the U.S. Patent and Trademark Office on November 10, 2016, at Reel/Frame No. 040587/0624 (the "Patent Security Agreement"), Grantor granted to the Agent a security interest in and continuing lien on all of Grantor's right, title and interest in, to and under the Patent Collateral (as defined in the Patent Security Agreement), including, without limitation, the United States patents set forth on Schedule A attached hereto (the "Released Registered Patents"); and

WHEREAS, Grantor has requested that the Agent release its security interest in and continuing lien on all right, title and interest of Grantor in, to and under the Released Registered Patents; and

WHEREAS, the Agent now desires to terminate and release its security interest in and continuing lien on all right, title and interest of Grantor in, to and under the Released Registered Patents, and reassign any all rights, title and interest in the same to Grantor.

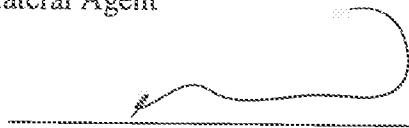
NOW, THEREFORE, the Agent, without recourse, representation or warranty of any kind or nature, and at Grantor's sole cost and expense, hereby terminates, cancels and releases its security interest in and continuing lien on all right, title and interest of Grantor in, to and under the Released Registered Patents, and any and right, title and interest of the Agent in such Released Registered Patents, including all goodwill associated therewith, is hereby assigned, transferred, and conveyed to Grantor.

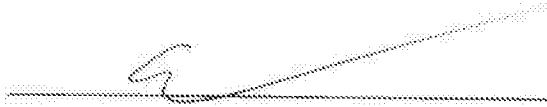
The Agent authorizes and requests that the Commissioner of Patents and Trademarks and any other applicable government officer record this Release.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Agent has caused this Release to be duly executed and delivered by its duly authorized officer as of the date first written above.

**CREDIT SUISSE AG,
CAYMAN ISLANDS BRANCH,
as Collateral Agent**

By: 
Name: Mikhail Faybusovich
Title: Authorized Signatory

By: 
Name: Shyam Kapadia
Title: Authorized Signatory

**SCHEDULE A
TO
RELEASE OF SECURITY INTEREST
IN CERTAIN PATENT COLLATERAL**

Reel/Frame No. 040587/0624

Title	Application Number Application Date	Publication Number Publication Date	Owner
FILE SYSTEM EVENT TRACKING	11535317 9/26/2006	7818801 10/19/2010	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	13004812 1/11/2011	8533457 9/10/2013	SONICWALL US HOLDINGS INC.
METHOD FOR BACKUP STORAGE DEVICE SELECTION	13022858 2/8/2011	8171247 5/1/2012	DELL SOFTWARE INC.
SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	13038340 3/1/2011	9407456 8/2/2016	SONICWALL US HOLDINGS INC.
QUERY INTERFACE TO POLICY SERVER	13053196 3/21/2011	8914410 12/16/2014	SONICWALL US HOLDINGS INC.
SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES	13092051 4/21/2011	8639827 1/28/2014	DELL SOFTWARE INC.
STORAGE CAPACITY PLANNING	13158204 6/10/2011	9047574 6/2/2015	DELL SOFTWARE INC.
MULTITIER DEDUPLICATION SYSTEMS AND METHODS	13218362 8/25/2011	8898114 11/25/2014	DELL SOFTWARE INC.
AUTOMATED CONNECTOR CREATION FOR PROVISIONING SYSTEMS	13228351 9/8/2011	9141442 9/22/2015	DELL SOFTWARE INC.
DISTRIBUTED CACHE FOR STATE TRANSFER OPERATIONS	13252170 10/3/2011	8458340 6/4/2013	DELL PRODUCTS L.P.
METHOD AND AN APPARATUS TO PERFORM MULTI-CONNECTION TRAFFIC ANALYSIS AND MANAGEMENT	13316134 12/9/2011	9119109 8/25/2015	SONICWALL US HOLDINGS INC.
PROBABILITY BASED WHITELIST	13348318 1/11/2012	9092761 7/28/2015	DELL PRODUCTS L.P.
SYSTEMS AND METHODS FOR REAL-TIME MONITORING OF VIRTUALIZED ENVIRONMENTS	13366166 2/3/2012	8738972 5/27/2014	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR COMPACTING A VIRTUAL MACHINE FILE	13368240 2/7/2012	9311375 4/12/2016	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	13406305 2/27/2012	8650578 2/11/2014	DELL SOFTWARE INC.
METHOD FOR BACKUP STORAGE DEVICE SELECTION	13445130 4/12/2012	8255654 8/28/2012	DELL SOFTWARE INC.
COMMUNITY ANALYSIS OF COMPUTING PERFORMANCE	13451274 4/19/2012	9215142 12/15/2015	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES	13465708 5/7/2012	8892415 11/18/2014	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MONITORING A COMPUTING ENVIRONMENT	13467424 5/9/2012	8555244 10/8/2013	DELL PRODUCTS L.P.
METHOD AND SYSTEM FOR DATA REDUCTION	13486989 6/1/2012	8650167 2/11/2014	DELL SOFTWARE INC.
METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	13492330 6/8/2012	9122627 9/1/2015	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA	13535031 6/27/2012	8688644 4/1/2014	QUEST SOFTWARE INC.
LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS	13546194 7/11/2012	8700667 4/15/2014	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	13563490 7/31/2012	8533744 9/10/2013	DELL SOFTWARE INC.
DATA MODELING SYSTEM FOR RUNTIME SCHEMA EXTENSIBILITY	13658732 10/23/2012	8838654 9/16/2014	DELL SOFTWARE INC.
EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	13658777 10/23/2012	9215198 12/15/2015	SONICWALL US HOLDINGS INC.
FILE SYSTEM EVENT TRACKING	13670282 11/6/2012	8640232 1/28/2014	DELL SOFTWARE INC.
METHOD OF AND SYSTEM FOR MERGING, STORING AND RETRIEVING INCREMENTAL BACKUP DATA	13678881 11/16/2012	8965850 2/24/2015	DELL SOFTWARE INC.
IDENTITY MIGRATION APPARATUS AND METHOD	13686700 11/27/2012	8966045 2/24/2015	DELL SOFTWARE INC.
DEEP TYPE PARSING	13713424 12/13/2012	9098624 8/4/2015	DELL SOFTWARE INC.
RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	13714829 12/14/2012	8972347 3/3/2015	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	13721588 12/20/2012	8639974 1/28/2014	DELL SOFTWARE INC.
DYNAMIC DIRECTORY CONTROL EXECUTION	13721769 12/20/2012	9122718 9/1/2015	DELL SOFTWARE INC.
DYNAMIC DIRECTORY CONTROL REGISTRATION	13721811 12/20/2012	9165027 10/20/2015	DELL SOFTWARE INC.
COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	13725008 12/21/2012	8887009 11/11/2014	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	13745677 1/18/2013	9275172 3/1/2016	DELL SOFTWARE INC.
RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY	13752020 1/28/2013	8712970 4/29/2014	DELL SOFTWARE INC.
BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	13764011 2/11/2013	9311318 4/12/2016	DELL SOFTWARE INC.
APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	13789529 3/7/2013	RE45327 1/6/2015	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACKEND-PERFORMANCE DATA	13826733 3/14/2013	9338255 5/10/2016	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR FACILITATING DATA VISUALIZATION VIA A MAP-REDUCE FRAMEWORK	13836840 3/15/2013	9372942 6/21/2016	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR CORRELATING ANOMALOUS EVENTS	13837740 3/15/2013	8966503 2/24/2015	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	13850002 3/25/2013	9094365 7/28/2015	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT	13850164 3/25/2013	8856790 10/7/2014	QUEST SOFTWARE INC.
CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD	13864866 4/17/2013	8978098 3/10/2015	DELL SOFTWARE INC.
REMOTE BACKUP AND RESTORE	13869071 4/24/2013	9405776 8/2/2016	QUEST SOFTWARE INC.
SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES	13869188 4/24/2013	9032403 5/12/2015	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR QUERYING DATA	13906255 5/30/2013	9390240 7/12/2016	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR CORRECTING SCRAMBLED MESSAGES	13906262 5/30/2013	9164820 10/20/2015	DELL SOFTWARE INC.
DISTRIBUTED CACHE FOR STATE TRANSFER OPERATIONS	13907213 5/31/2013	9043476 5/26/2015	DELL PRODUCTS LP
USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	13912055 6/6/2013	9189516 11/17/2015	SONICWALL US HOLDINGS INC.
SYSTEM AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA	13934912 7/3/2013	9047272 6/2/2015	DELL SOFTWARE INC.
QUERY INTERFACE TO POLICY SERVER	13967202 8/14/2013	9438577 9/6/2016	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
TUNNELING USING ENCRYPTION	13967205 8/14/2013	9276920 3/1/2016	SONICWALL US HOLDINGS INC.
QUERY INTERFACE TO POLICY SERVER	13967207 8/14/2013	9154489 10/6/2015	SONICWALL US HOLDINGS INC.
ACCESS CONTROL	13967208 8/14/2013	9331992 5/3/2016	SONICWALL US HOLDINGS INC.
REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	13967210 8/14/2013	9077671 7/7/2015	SONICWALL US HOLDINGS INC.
SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING	14010314 8/26/2013	8898136 11/25/2014	DELL SOFTWARE INC.
DATA METRIC RESOLUTION PREDICTION SYSTEM AND METHOD	14014707 8/30/2013	9245248 1/26/2016	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	14021852 9/9/2013	8713583 4/29/2014	QUEST SOFTWARE INC.
IDENTIFICATION OF CONTENT	14034314 9/23/2013	9077674 7/7/2015	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR MANAGING AND IDENTIFYING SUBJECT MATTER EXPERTS	14047162 10/7/2013	9317574 4/19/2016	DELL SOFTWARE INC.
SYSTEM FOR PROVISIONING, ALLOCATING, AND MANAGING VIRTUAL AND PHYSICAL DESKTOP COMPUTERS IN A NETWORK COMPUTING ENVIRONMENT	14047562 10/7/2013	9077583 7/7/2015	DELL SOFTWARE INC.
REMOTE ACCESS TO RESOURCES OVER A NETWORK	14058215 10/19/2013	9300670 3/29/2016	SONICWALL US HOLDINGS INC.
RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	14061988 10/24/2013	9197538 11/24/2015	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	14064597 10/28/2013	9065848 6/23/2015	SONICWALL US HOLDINGS INC.
METHOD AND AN APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	14071146 11/4/2013	9100427 8/4/2015	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES	14073822 11/6/2013	9183272 11/10/2015	DELL SOFTWARE INC
SYSTEM AND METHOD FOR DECENTRALIZED AUTHENTICATION OF SUPPLICANT DEVICES	14073823 11/6/2013	9288060 3/15/2016	DELL SOFTWARE INC
DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS	14076913 11/11/2013	9288201 3/15/2016	DELL SOFTWARE INC.
PACKET PROCESSING ON A MULTI-CORE PROCESSOR	14079308 11/13/2013	9098330 8/4/2015	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS	14082397 11/18/2013	8938781 1/20/2015	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES	14149658 1/7/2014	9202043 12/1/2015	DELL SOFTWARE INC
VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION	14150537 1/8/2014	9294461 3/22/2016	SONICWALL US HOLDINGS INC.
SIGNATURE GENERATION USING MESSAGE SUMMARIES	14152812 1/10/2014	9325649 4/26/2016	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	14153607 1/13/2014	9195823 11/24/2015	DELL SOFTWARE INC
SYSTEM AND METHOD FOR DYNAMIC DATA COLLECTION	14159593 1/21/2014	9442818 9/13/2016	DELL SOFTWARE INC
NET-BASED EMAIL FILTERING	14166641 1/28/2014	9203785 12/1/2015	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR MULTITENANT MANAGEMENT OF DOMAINS	14169130 1/30/2014	9197644 11/24/2015	DELL SOFTWARE INC
SYSTEM AND METHOD FOR PROVIDING MULTTENANT ACCESS TO SHARED RESOURCES	14169136 1/30/2014	9444808 9/13/2016	DELL SOFTWARE INC
SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	14172731 2/4/2014	9152704 10/6/2015	SONICWALL US HOLDINGS INC.
ROUTING OF COMMUNICATIONS TO ONE OR MORE PROCESSORS PERFORMING ONE OR MORE SERVICES ACCORDING TO A LOAD BALANCING FUNCTION	14185178 2/20/2014	8959384 2/17/2015	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	14263699 4/28/2014	9130847 9/8/2015	DELL SOFTWARE INC.
METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)	14276984 5/13/2014	9237129 1/12/2016	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR USER-CONTEXT-BASED DATA LOSS PREVENTION	14298095 6/6/2014	9349016 5/24/2016	DELL SOFTWARE INC.
STATISTICAL MESSAGE CLASSIFIER	14312645 6/23/2014	9386046 7/5/2016	SONICWALL US HOLDINGS INC.
CLOUD-BASED GATEWAY SECURITY SCANNING	14318334 6/27/2014	9203853 12/1/2015	SONICWALL US HOLDINGS INC.
TIME ZERO CLASSIFICATION OF MESSAGES	14472026 8/28/2014	9325724 4/26/2016	SONICWALL US HOLDINGS INC.
REPUTATION-BASED THREAT PROTECTION	14472234 8/28/2014	9215241 12/15/2015	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR OPTIMIZING COMPUTER PERFORMANCE	14472329 8/28/2014	9405699 8/2/2016	DELL SOFTWARE INC.
RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	14477767 9/4/2014	9397927 7/19/2016	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
AUTOMATED LARGE ATTACHMENT PROCESSING DURING MIGRATION	14536062 11/7/2014	20160134571 5/12/2016	QUEST SOFTWARE INC.
ON-THE FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	14543829 11/17/2014	9075804 7/7/2015	SONICWALL US HOLDINGS INC.
MANAGING INFECTIOUS FORWARDED MESSAGES	14578065 12/19/2014	9237163 1/12/2016	SONICWALL US HOLDINGS INC.
IDENTIFICATION OF CONTENT BY METADATA	14581717 12/23/2014	9231767 1/5/2016	SONICWALL US HOLDINGS INC.
SECURE NEIGHBOR DISCOVERY (SEND) USING PRE-SHARED KEY	14587947 12/31/2014	9537872	SONICWALL US HOLDINGS INC.
MILESTONE BASED DYNAMIC MULTIPLE WATCHDOG TIMEOUTS AND EARLY FAILURE DETECTION	14589760 1/5/2015	20160196149 7/7/2016	DELL SOFTWARE INC.
OPTIMIZING TRANSFER OF FRAGMENTED PACKETIZED DATA	14591781 1/7/2015	20160198020 7/7/2016	SONICWALL US HOLDINGS INC.
DYNAMICALLY PARTITIONING A MAILING LIST BASED ON A-PRIORI CATEGORIES AND CONTEXTUAL ANALYSIS	14605229 1/26/2015	20160219008 7/28/2016	QUEST SOFTWARE INC.
DYNAMIC BYPASS OF TLS CONNECTIONS MATCHING EXCLUSION LIST IN A NAT DEPLOYMENT	14606451 1/27/2015	20160219018 7/28/2016	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR CREATING CUSTOMIZED PERFORMANCE-MONITORING APPLICATIONS	14607776 1/28/2015	9274758 3/1/2016	DELL SOFTWARE INC.
LOGICAL LEVEL PREDICTIVE CACHING IN RELATIONAL DATABASES	14610259 1/30/2015	20160224556 8/4/2016	QUEST SOFTWARE INC.
ROUTING OF COMMUNICATIONS TO ONE OR MORE PROCESSORS PERFORMING ONE OR MORE SERVICES ACCORDING TO A LOAD BALANCING FUNCTION	14624533 2/17/2015	9268656 2/23/2016	SONICWALL US HOLDINGS INC.
FILE AND MOVE DATA TO SHRINK DATAFILES	14629583 2/24/2015	20160246808 8/25/2016	QUEST SOFTWARE INC.
REQUESTING WEB PAGES AND CONTENT RATING INFORMATION	14638298 3/4/2015	9405839 8/2/2016	SONICWALL US HOLDINGS INC.
AUTOMATED LARGE FILE PROCESSING WITH EMBEDDED VISUAL CUES	14645129 3/11/2015	20160269329 9/15/2016	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR DESTROYING SENSITIVE ENTERPRISE DATA ON PORTABLE DEVICES	14645393 3/11/2015	20160267284 9/15/2016	DELL SOFTWARE INC.
MESSAGE CHALLENGE RESPONSE	14696839 4/27/2015	9313158 4/12/2016	SONICWALL US HOLDINGS INC.
DISTRIBUTED CACHE FOR STATE TRANSFER OPERATIONS	14722040 5/26/2015	20150326685 11/12/2015	DELL PRODUCTS LP

Title	Application Number Application Date	Publication Number Publication Date	Owner
METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	14747860 6/23/2015	9577983	SONICWALL US HOLDINGS INC.
CENTRALIZED WIRELESS LAN LOAD BALANCING	14755592 6/30/2015	20150334598 11/19/2015	SONICWALL US HOLDINGS INC.
ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	14793640 7/7/2015	9654446	SONICWALL US HOLDINGS INC.
REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	14793683 7/7/2015	9672359	SONICWALL US HOLDINGS INC.
PROBABILITY BASED WHITELIST	14806072 7/22/2015	20150341296 11/26/2015	QUEST SOFTWARE INC.
METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	14811794 7/28/2015	20150372983 12/24/2015	SONICWALL US HOLDINGS INC.
PROCESSING A MESSAGE BASED ON A BOUNDARY IP ADDRESS AND DECAY VARIABLE	14816900 8/3/2015	20150341264 11/26/2015	SONICWALL US HOLDINGS INC.
METHOD AND AN APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	14818215 8/4/2015	9553883	SONICWALL US HOLDINGS INC.
PACKET PROCESSING ON A MULTI-CORE PROCESSOR	14818218 8/4/2015	9535773	SONICWALL US HOLDINGS INC.
METHOD AND AN APPARATUS TO PERFORM MULTI-CONNECTION TRAFFIC ANALYSIS AND MANAGEMENT	14834319 8/24/2015	20150365429 12/17/2015	SONICWALL US HOLDINGS INC.
CLOUD-BASED GATEWAY SECURITY SCANNING	14926566 10/29/2015	9560056	SONICWALL US HOLDINGS INC.
USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	14938573 11/11/2015	9524334	SONICWALL US HOLDINGS INC.
NET- BASED EMAIL FILTERING	14949731 11/23/2015	9686218	QUEST SOFTWARE INC.
METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)	14964502 12/9/2015	20160094518 3/31/2016	DELL SOFTWARE INC.
REPUTATION-BASED THREAT PROTECTION	14968786 12/14/2015	20160099959 4/7/2016	DELL SOFTWARE INC.
EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	14968829 12/14/2015	20160099899 4/7/2016	DELL SOFTWARE INC.
IDENTIFICATION OF CONTENT BY METADATA	14987698 1/4/2016	20160117404 4/28/2016	DELL SOFTWARE INC.
MANAGING INFECTIOUS FORWARDED MESSAGES	14993059 1/11/2016	20160127400 5/5/2016	DELL SOFTWARE INC.
MESSAGE RECOMMENDATION USING WORD ISOLATION AND CLUSTERING	15006933 1/26/2016	20160224655 8/4/2016	DELL SOFTWARE INC.
ROUTING OF COMMUNICATIONS TO ONE OR MORE PROCESSORS PERFORMING ONE OR MORE SERVICES ACCORDING TO A LOAD BALANCING FUNCTION	15007092 1/26/2016	20160164956 6/9/2016	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
METHOD AND APPARATUS FOR MULTIMEDIA CONTENT FILTERING	15057747 3/1/2016	20160182597 6/23/2016	DELL SOFTWARE INC.
SIGNATURE GENERATION USING MESSAGE SUMMARIES	15074788 3/18/2016	20160205050 7/14/2016	DELL SOFTWARE INC.
VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION	15077891 3/22/2016	20160254975 9/1/2016	DELL SOFTWARE INC.
MESSAGE CHALLENGE RESPONSE	15081014 3/25/2016	20160212079 7/21/2016	DELL SOFTWARE INC.
REMOTE ACCESS TO RESOURCES OVER A NETWORK	15082485 3/28/2016	20160212136 7/21/2016	SONICWALL US HOLDINGS INC.
TIME ZERO CLASSIFICATION OF MESSAGES	15133824 4/20/2016	9516047	QUEST SOFTWARE INC.
TAPE IMAGE ON NON-TAPE STORAGE DEVICE	1176540 3/9/2005	7814260 10/12/2010	DELL SOFTWARE INC.
PROCESSING A MESSAGE BASED ON A BOUNDARY IP ADDRESS AND DECAY VARIABLE	12070164 2/15/2008	9100335 8/4/2015	SONICWALL US HOLDINGS INC.
SYSTEM FOR PROVISIONING, ALLOCATING, AND MANAGING VIRTUAL AND PHYSICAL DESKTOP COMPUTERS IN A NETWORK COMPUTING ENVIRONMENT	12078174 3/27/2008	8560593 10/15/2013	DELL SOFTWARE INC.
METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL	09489759 1/21/2000	6871221 3/22/2005	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	09782593 2/12/2001	7353380 4/1/2008	SONICWALL US HOLDINGS INC.
DISTRIBUTED CACHE FOR STATE TRANSFER OPERATIONS	09783147 2/13/2001	7383329 6/3/2008	DELL PRODUCTS LP
METHOD AND APPARATUS FOR CENTRALIZED POLICY PROGRAMMING AND DISTRIBUTIVE POLICY ENFORCEMENT	10105575 3/25/2002	9426178 8/23/2016	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	10331806 12/30/2002	7412539 8/12/2008	DELL SOFTWARE INC.
VALIDATION OF PORTABLE COMPUTER TYPE PRIOR TO CONFIGURATION OF A LOCAL RUN-TIME ENVIRONMENT	10700615 11/4/2003	7469278 12/23/2008	DELL SOFTWARE INC.
EVENT-BASED APPLICATION FOR PERFORMING CONFIGURATION CHANGES IN A NETWORKED ENVIRONMENT	10700616 11/4/2003	7293087 11/6/2007	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
VALIDATION OF CONFIGURATION SETTINGS PRIOR TO CONFIGURATION OF A LOCAL RUN-TIME ENVIRONMENT	10700617 11/4/2003	7353262 4/1/2008	DELL SOFTWARE INC.
NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	10733808 12/10/2003	8572249 10/29/2013	SONICWALL US HOLDINGS INC.
METHOD FOR BACKUP STORAGE DEVICE SELECTION	10846609 5/14/2004	7913043 3/22/2011	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR NO DOWNTIME RESYNCHRONIZATION FOR REAL-TIME, CONTINUOUS DATA PROTECTION	10862971 6/8/2004	7680834 3/16/2010	DELL SOFTWARE INC.
HYBRID REAL-TIME DATA REPLICATION	10980875 11/3/2004	7836014 11/16/2010	DELL SOFTWARE INC.
TIME ZERO DETECTION OF INFECTIOUS MESSAGES	11156372 6/16/2005	9154511 10/6/2015	SONICWALL US HOLDINGS INC.
METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	11185168 7/20/2005	7689602 3/30/2010	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION	11185313 7/20/2005	7788521 8/31/2010	DELL SOFTWARE INC.
METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	11198061 8/5/2005	7681104 3/16/2010	DELL SOFTWARE INC.
METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	11198062 8/5/2005	7681105 3/16/2010	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR MULTIMEDIA CONTENT FILTERING	11236280 9/26/2005	9275047 3/1/2016	SONICWALL US HOLDINGS INC.
CONTROLLING ACCESS TO A SET OF RESOURCES IN A NETWORK	11251087 10/14/2005	7827590 11/2/2010	SONICWALL US HOLDINGS INC.
RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	11251592 10/14/2005	8590032 11/19/2013	SONICWALL US HOLDINGS INC.
MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION	11264110 11/1/2005	7904913 3/8/2011	DELL SOFTWARE INC.
ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE	11300097 12/13/2005	7760640 7/20/2010	DELL SOFTWARE INC.
APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	11311215 12/19/2005	7904949 3/8/2011	DELL SOFTWARE INC.
SMART TUNNELING TO RESOURCES IN A NETWORK	11371348 3/7/2006	8661158 2/25/2014	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES	11419958 5/23/2006	7870354 1/11/2011	DELL SOFTWARE INC.
HIERARCHICAL MODULAR SOFTWARE PACKAGES AND ASSOCIATED DEVELOPMENT TOOL	11457228 7/13/2006	7814460 10/12/2010	DELL SOFTWARE INC.
PERSONALIZED ELECTRONIC-MAIL DELIVERY	11589007 10/27/2006	9069845 6/30/2015	SONICWALL US HOLDINGS INC.
MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT	11619396 1/3/2007	7801975 9/21/2010	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS	11850561 9/5/2007	8601539 12/3/2013	QUEST SOFTWARE INC.
ROUTING OF COMMUNICATIONS TO A PLATFORM SERVICE	11903219 9/21/2007	8700775 4/15/2014	SONICWALL US HOLDINGS INC.
SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	11927250 10/29/2007	7698388 4/13/2010	SONICWALL US HOLDINGS INC.
RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	11927272 10/29/2007	8005983 8/23/2011	SONICWALL US HOLDINGS INC.
CREATING AN INTERROGATION MANIFEST REQUEST	11927286 10/29/2007	7770222 8/3/2010	SONICWALL US HOLDINGS INC.
PROVISIONING AN OPERATING ENVIRONMENT OF A REMOTE COMPUTER	11927310 10/29/2007	7779469 8/17/2010	SONICWALL US HOLDINGS INC.
PROVIDING DISTRIBUTED CACHE SERVICES	11927321 10/29/2007	8438254 5/7/2013	SONICWALL US HOLDINGS INC.
DISTRIBUTED CACHE FOR STATE TRANSFER OPERATIONS	11927350 10/29/2007	7720975 5/18/2010	DELL PRODUCTS LP
PROVIDING SECURE CONNECTIONS FOR DATA TRANSMISSION	11927362 10/29/2007	7870380 1/11/2011	SONICWALL US HOLDINGS INC.
ENCRYPTED RECORD TRANSMISSION	11927371 10/29/2007	8984268 3/17/2015	SONICWALL US HOLDINGS INC.
MESSAGE RECOMMENDATION USING WORD ISOLATION AND CLUSTERING	11927450 10/29/2007	9245013 1/26/2016	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	12143210 6/20/2008	7752336 7/6/2010	SONICWALL US HOLDINGS INC.
CENTRALIZED WIRELESS LAN LOAD BALANCING	12333132 12/11/2008	9071993 6/30/2015	SONICWALL US HOLDINGS INC.
METHOD, SYSTEM AND APPARATUS FOR MANAGING, MODELING, PREDICTING, ALLOCATING AND UTILIZING RESOURCES AND BOTTLENECKS IN A COMPUTER NETWORK	12395524 2/27/2009	8903983 12/2/2014	DELL SOFTWARE INC.
UNIFIED MANAGEMENT PLATFORM IN A COMPUTER NETWORK	12400559 3/9/2009	8935701 1/13/2015	QUEST SOFTWARE INC.
MANAGING RESOURCE ALLOCATIONS	12512884 7/30/2009	8615796 12/24/2013	SONICWALL US HOLDINGS INC.
CREATING RULES FOR ROUTING RESOURCE ACCESS REQUESTS	12512891 7/30/2009	8613041 12/17/2013	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
REMOTE BACKUP AND RESTORE SYSTEM AND METHOD	12559156 9/14/2009	8311985 11/13/2012	QUEST SOFTWARE INC.
REMOTE BACKUP AND RESTORE	12567069 9/25/2009	8452731 5/28/2013	QUEST SOFTWARE INC.
DISTRIBUTED CACHE FOR STATE TRANSFER OPERATIONS	12694198 1/26/2010	8032642 10/4/2011	DELL PRODUCTS LP
BLOCK STATUS MAPPING SYSTEM FOR REDUCING VIRTUAL MACHINE BACKUP STORAGE	12762162 4/16/2010	8996468 3/31/2015	DELL SOFTWARE INC.
MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT	12770354 4/29/2010	7912929 3/22/2011	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	12785364 5/21/2010	8429301 4/23/2013	SONICWALL US HOLDINGS INC.
ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE	12816460 6/16/2010	8687490 4/1/2014	DELL SOFTWARE INC.
CLASSIFYING AN OPERATING ENVIRONMENT OF A REMOTE COMPUTER	12821060 6/22/2010	8301769 10/30/2012	SONICWALL US HOLDINGS INC.
FILE SYSTEM EVENT TRACKING	12878609 9/9/2010	8332942 12/11/2012	DELL SOFTWARE INC.
MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION	12901888 10/11/2010	8544023 9/24/2013	DELL SOFTWARE INC.
HYBRID REAL-TIME DATA REPLICATION	12901925 10/11/2010	8938419 1/20/2015	DELL SOFTWARE INC.
REMOTE ACCESS TO RESOURCES OVER A NETWORK	12938330 11/2/2010	8601550 12/3/2013	SONICWALL US HOLDINGS INC.
NETWORK PROTOCOL PROXY	12955785 11/29/2010	9054913 6/9/2015	DELL SOFTWARE INC.
NETWORK PROTOCOL PROXY	12955791 11/29/2010	8966112 2/24/2015	DELL SOFTWARE INC.
INSTRUMENTATION OF PROGRAM CODE FOR DYNAMIC ANALYSIS	12605193		DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO COMPUTER APPLICATIONS OR DATA	12914767		DELL SOFTWARE INC.
SYSTEM FOR PROVIDING STRUCTURED QUERY LANGUAGE ACCESS TO NON- RELATIONAL DATA STORES	13098298		DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR RESERVING CAPACITY FOR FUTURE VIRTUAL MACHINE DEPLOYMENTS	13474339		DELL SOFTWARE INC.
SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS	13658724		DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SYSTEM AND METHOD FOR ENFORCING ACCESS CONTROLS TO PUBLICLY- ACCESSIBLE WEB APPLICATIONS	13804064		DELL SOFTWARE INC.
TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	13853946 03/29/2013 Reissue of 7917522		SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR PROACTIVE SCALING	14153218		DELL SOFTWARE INC.
SYSTEM AND METHOD FOR MANAGING A CLUSTERED RADIO NETWORK	14178158		DELL SOFTWARE INC.
SYSTEM AND METHOD FOR COLLECTING DATA FROM LOW-AVAILABILITY DEVICES	14178165		DELL SOFTWARE INC.
DISCOVERING SITE OWNERS AND ENABLING COLLABORATION BETWEEN THEM IN A SHAREPOINT (OR SIMILAR) CORPORATE NETWORK	14193194		DELL SOFTWARE INC.
SYSTEM AND METHOD TO STORE SHARED SESSIONS WITH ENCRYPTION	14248215		DELL SOFTWARE INC.
RICH FORM GENERATOR FOR RESTFUL SERVICE	14248234		DELL SOFTWARE INC.
INTUITIVE REPRESENTATION OF END-TO-END PERFORMANCE DIAGNOSTIC MONITORING BASED ON DIFFERENTIAL ANALYSIS	14249147		DELL SOFTWARE INC.
ENTERPRISE MEETING / CONFERENCE RESOURCE ANALYTICS	14265973		DELL SOFTWARE INC.
METHOD FOR VARIABLE SECURITY / POLICY SETTINGS BASED ON USER CONTEXT	14297944		DELL SOFTWARE INC.
WEB SITE CERTIFICATE BYPASS ANALYSIS AND REPORTING	14305249		DELL SOFTWARE INC.
SYSTEM AND METHOD TO INJECT ADDITIONAL PRIVILEGES WITHOUT CHANGING USER IDENTITY TO ENABLE USER WORKSPACE MANAGEMENT	14325074		DELL SOFTWARE INC.
TRACKING, CLASSIFYING AND REPORTING OF COMMUNICATION AND CONTENT EVENTS TO EMPLOYEES' PERFORMANCE OBJECTIVES AND GOALS	14335205		DELL SOFTWARE INC.
METHOD FOR SECURELY DESCRIBING AND NEGOTIATING SECURITY REQUIREMENTS FOR WORKLOADS	14541791		DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
THIS BINARY PACKING PROTOCOL MINIMIZES BYTES ACROSS THE NETWORK.	14562453		DELL SOFTWARE INC.
COMBINING RESPONSE TIME ANALYTICS, TOPOLOGY, AND MACHINE LEARNING BASED ON DIFFERENTIAL DIAGNOSTICS	14562474		DELL SOFTWARE INC.
TRANSIENT STORAGE OF TRACE DATA IN TIME-BOXED ARCHIVERS TO HANDLE PEAK LOAD	14562502		DELL SOFTWARE INC.
IDENTIFICATION AND RESOLUTION OF DUPLICATE INDEXES IN RELATIONAL DATABASE MANAGEMENT SYSTEMS	14568386		DELL SOFTWARE INC.
SYSTEM TO GENERATE DEPENDENCY TOPOLOGY MAP FOR CLOUD INFRASTRUCTURE	14607907		DELL SOFTWARE INC.
HYBRID APPROACH TO STORAGE OF IT PERFORMANCE DATA IN AND INTEGRATED SOLUTION ENVIRONMENT	14613917		DELL SOFTWARE INC.
VISUAL FILTERING OF CODE CALL TREE DATA	14619897		DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR EVENT-BASED AUTHENTICATION	14631826		DELL SOFTWARE INC.
VISUAL TRANSFORM AND CLEANSE BASED ITERATIVE QUERY BUILDER	14633826		DELL SOFTWARE INC.
SYSTEMS AND METHODS OF PATTERNIZING LOGGED USER-INITIATED EVENTS FOR SCHEDULING FUNCTIONS	14660697		DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR FACILITATING PORTABLE USER SESSIONS	14666410		DELL SOFTWARE INC.
SYSTEM AND METHODS OF SECURING NETWORK- ACCESSIBLE PERIPHERAL DEVICES	14672715		DELL SOFTWARE INC.
METHOD AND SYSTEM TO IMPROVE THE LOOKUP OF ESTIMATES OF INFORMATION USING PATTERN BASED HEURISTICS	14672791		DELL SOFTWARE INC.
SYSTEMS AND METHODS OF AUTOMATIC TRAINING INITIATION BASED ON AN ANALYSIS OF USER-INITIATED COMMUNICATION EVENTS	14674270		DELL SOFTWARE INC.
SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	14683441		DELL SOFTWARE INC.
SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	14683453		DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
MODEL BASED SYSTEM AND METHODS TO GENERATE END-TO-END DEPENDENCY GRAPH IN MULTI-LAYER NETWORK FUNCTION VIRTUALIZATION MONITORING SYSTEMS	14725778		DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR TUNING CROSS- PLATFORM DATA COLLECTION	14819233		DELL SOFTWARE INC.
RISK ANALYSIS AND EFFICIENT UPDATE FOR LARGE SCALE SHAREPOINT CONTENT CHANGES	14858299		DELL SOFTWARE INC.
PREDICTING QUALITY OF EXPERIENCE FOR VOIP CONFERENCES BASED ON CORRELATES OF SCHEDULING AND NATIVE QOE DATA	14875120		DELL SOFTWARE INC.
COMPRESSED METRIC FORMAT FOR MULTI-CORE CPU UTILIZATION	14875136		DELL SOFTWARE INC.
DYNAMIC PROFILE-BASED TIME SERIES COMPRESSION METHOD	14886884		DELL SOFTWARE INC.
AUGMENTED CONTENT- BASED CLASSIFICATION THROUGH COMMUNICATION USAGE TEXT ENRICHMENT TECHNIQUE	14929460		DELL SOFTWARE INC.
CONTEXT BASED LOG DIMENSIONS ANALYSIS (RE- SUBMISSION FOR 104091 - LOG EVENT AND PERFORMANCE METRICS CORRELATION)	14929482		DELL SOFTWARE INC.
AGENT MANAGED CONTAINER	14931454		DELL SOFTWARE INC.
A CENTRALIZED LANGUAGE MANAGEMENT SYSTEM TOOL FOR DISTRIBUTED SYSTEM	14976652		DELL SOFTWARE INC.
PRIVACY ENABLED MOBILE DEVICE IDENTIFICATION FOR BYOD POLICIES.	15006875		DELL SOFTWARE INC.
IDENTIFYING COMMON CONFIGURATIONS IN DISTRIBUTED ENVIRONMENTS WITH MEMORABLE HASH NAMES	15006891		DELL SOFTWARE INC.
RISK AND VALUE BASED INFORMATION CLASSIFICATION SYSTEM.	15010960		DELL SOFTWARE INC.
SYSTEM AND METHOD FOR APPLYING DOCUMENT VERSIONING ACROSS AN ENTIRE ENTERPRISE	15055210		DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
CONTAINER SECURITY ENHANCEMENTS USING SIGNATURES, ENCRYPTION AND ADDITIONAL ACCESS CONTROL/GOVERNANCE	15061209		DELL SOFTWARE INC.
DYNAMIC CONTAINER MANIFEST CREATION	15061241		DELL SOFTWARE INC.
CONTAINER EXECUTION PROTOCOL	15061260		DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR DIAGNOSTIC ANALYSIS OF MEDIA-STREAM COMBINATIONS	15081104		DELL SOFTWARE INC.
METHOD AND SYSTEM FOR DYNAMIC DISCOVERY OF CONTAINER BASED MICRO SERVICES AND APPLICATIONS	15084677		DELL SOFTWARE INC.
DETERMINING A THREAT SEVERITY ASSOCIATED WITH AN EVENT	15150592		DELL SOFTWARE INC.
ELECTRONIC MAIL (EMAIL) MESSAGE LIFECYCLE MANAGEMENT	15154062		DELL SOFTWARE INC.
PERFORMANCE TRACKING OF AN APPLICATION DURING A SINGLE USER SESSION	15155243		DELL SOFTWARE INC.
DISPATCHER FOR ADAPTIVE DATA COLLECTION	15158826		DELL SOFTWARE INC.
SINGLE TIER ROUTING	62321655		DELL SOFTWARE INC.
GLOBAL TRAFFIC OPTIMIZER OPTIMAL PROVIDER SELECTION	62321658		DELL SOFTWARE INC.
REVERSE PROXY USING DNS NAMES DEMULTIPLEXES RESOURCE ACCESS	62321661		DELL SOFTWARE INC.
LAZY EVALUATION OF BULK FORECASTS	12036167 02/22/2008	20080221974	QUEST SOFTWARE INC.
FEDERATED AUTHORIZATION FOR DISTRIBUTED COMPUTING	11738952 04/23/2007	20080263644	QUEST SOFTWARE INC.
PERSONALIZED ELECTRONIC-MAIL DELIVERY	13460774 04/30/2012	20120215868	SONICWALL US HOLDINGS INC.
METHOD, SYSTEM AND APPARATUS FOR CALCULATING CHARGEBACK FOR VIRTUALIZED COMPUTING RESOURCES	13489276 06/05/2012	20120246646	QUEST SOFTWARE INC.
VPN DEEP PACKET INSPECTION	13773475 02/21/2013	20130219486	AVENTAIL LLC
GARBAGE COLLECTION AWARE DEDUPLICATION	13555534 7/23/2012	20140025644	QUEST SOFTWARE INC.
DATA METRIC RESOLUTION RANKING SYSTEM AND METHOD	14014637 08/30/2013	20140095243	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR AN OPTIMIZED DISTRIBUTED STORAGE SYSTEM	13664658 10/31/2012	20140122817	QUEST SOFTWARE INC.
MOBILE DEVICE IDENTITY AND ACCESS CONTROL POLICIES	14167985 01/29/2014	20140150070	AVENTAIL LLC

Title	Application Number Application Date	Publication Number Publication Date	Owner
IMAGE BASED SPAM BLOCKING	14177434 02/11/2014	20140156678	DELL SOFTWARE INC.
HANDLING RESTORES IN AN INCREMENTAL BACKUP STORAGE SYSTEM	13786781 3/6/2013	20140258237	QUEST SOFTWARE INC.
STORAGE SYSTEM DEDUPLICATION WITH SERVICE LEVEL AGREEMENTS	13786759 3/6/2013	20140258244	QUEST SOFTWARE INC.
INTELLIGENT DEDUPLICATION DATA PREFETCHING	14311485 6/23/2014	20140310251	QUEST SOFTWARE INC.
REASSEMBLY-FREE DEEP PACKET INSPECTION ON MULTI-CORE HARDWARE	14456884 08/11/2014	20140359764	SONICWALL US HOLDINGS INC.
MOBILE DEVICE IDENTIFY FACTOR FOR ACCESS CONTROL POLICIES	14475408 09/02/2014	20140373110	SONICWALL US HOLDINGS INC.
TRANSFERRING DIFFERENCES BETWEEN CHUNKS DURING REPLICATION	13952062 7/26/2013	20150032978	QUEST SOFTWARE INC.
ACCELERATED DEDUPLICATION	14518063 10/20/2014	20150039571	QUEST SOFTWARE INC.
EFFICIENT DFA GENERATION FOR NON-MATCHING CHARACTERS AND CHARACTER CLASSES IN REGULAR EXPRESSIONS	13957319 08/01/2013	20150040142	SONICWALL US HOLDINGS INC.
METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION	14596186 1/13/2015	20150127622	QUEST SOFTWARE INC.
DECLASSIFYING OF SUSPICIOUS MESSAGES	14628889 02/23/2015	20150169202	<u>SONICWALL US HOLDINGS INC.</u>
MOBILE APPLICATION CONTROL	14319166 06/30/2014	20150281003	DELL SOFTWARE INC.
IDENTIFICATION OF UNAUTHORIZED APPLICATION DATA IN A CORPORATE NETWORK	14319136 06/30/2014	20150281281	DELL SOFTWARE INC.
IDENTIFICATION OF UNAUTHORIZED APPLICATION DATA IN A CORPORATE NETWORK	14319136 6/30/2014	20150281281	QUEST SOFTWARE INC.
APPLICATION SIGNATURE AUTHORIZATION	14319145 06/30/2014	20150281282	DELL SOFTWARE INC.
ENGINE FOR VIRTUAL MACHINE RESOURCES	14327006 7/9/2014	20160011891	QUEST SOFTWARE INC.
CLIENT-SIDE DEDUPLICATION WITH LOCAL CHUNK CACHING	14453158 8/6/2014	20160041777	QUEST SOFTWARE INC.
CHUNK COMPRESSION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT	14453165 8/6/2014	20160041970	QUEST SOFTWARE INC.
TECHNIQUE SELECTION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT	14453173 8/6/2014	20160042008	QUEST SOFTWARE INC.
POLICY USE IN A DATA MOVER EMPLOYING DIFFERENT CHANNEL PROTOCOLS	14453150 8/6/2014	20160044077	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
ACCELERATING TRANSFER PROTOCOLS	14453121 8/6/2014	20160044100	QUEST SOFTWARE INC.
FAST UPDATE OF DATA PACKET CHECKSUMS	14521035 10/22/2014	20160118999	QUEST SOFTWARE INC.
SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	15017079 2/5/2016	20160154816	QUEST SOFTWARE INC.
TRANSPARENT DEFERRED SPOOLING STORE AND FORWARD BASED ON STANDARD NETWORK SYSTEM AND CLIENT INTERFACE	14556157 11/30/2014	20160156696	DELL SOFTWARE INC.
EMAIL AND IDENTITY MIGRATION BASED ON RELATIONSHIP INFORMATION	14588181 12/31/2014	20160188614	DELL SOFTWARE INC.
VIRTUAL DISK UTILITY	15075526 3/21/2016	20160203162	QUEST SOFTWARE INC.
SECURE SHELL PUBLIC KEY AUDIT SYSTEM	14603197 01/22/2015	20160219022	DELL PRODUCTS L.P.
DYNAMICALLY GENERATED SSID	14603208 01/22/2015	20160219050	SONICWALL US HOLDINGS INC.
SELECTIVE DATA COLLECTION USING A MANAGEMENT SYSTEM	14619853 02/11/2015	20160234108	DELL PRODUCTS L.P.
SYSTEMS AND METHODS FOR VIRTUAL PERIPHERY INTERACTION	14850096 9/10/2015	20160259544	QUEST SOFTWARE INC.
DISCOVERY OF POTENTIAL PROBLEMATIC EXECUTION PLANS IN A BIND-SENSITIVE SQL STATEMENT	14640706 03/06/2015	20160259825	DELL PRODUCTS L.P.
CENTRALLY MANAGED LICENSING IN A GLOBAL VPN INFRASTRUCTURE	14657904 03/13/2015	20160267612	DELL SOFTWARE INC.
UNIFIED BANDWIDTH MANAGEMENT ON DISTRIBUTED NETWORK ENVIRONMENT	14645383 03/11/2015	20160269314	SONICWALL US HOLDINGS INC.
MESSAGE DISTRIBUTION CONTROL	15170758 04/20/2016	20160277365	DELL SOFTWARE INC.
STATISTICAL MESSAGE CLASSIFIER	15173236 06/01/2016	20160285805	DELL SOFTWARE INC.
FIREWALL MULTI LEVEL SECURITY DYNAMIC HOST BASED SANDBOX GENERATION FOR EMBEDDED URL LINKS	14665315 03/23/2015	20160285824	DELL SOFTWARE INC.
NON RFC COMPLIANT PROTOCOL CLASSIFICATION BASED ON REAL USE	14666180 03/23/2015	20160285912	DELL SOFTWARE INC.
USAGE AND SYMPTOM ORIENTED SQL OPTIMIZATION	14683416	20160299946	DELL SOFTWARE INC.
ENHANCED MANAGEMENT OF MIGRATION AND ARCHIVING OPERATIONS	14687732	20160308812	DELL SOFTWARE INC.
PARTITIONING TARGET DATA TO IMPROVE DATA REPLICATION PERFORMANCE	14695681	20160314147	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SQL JOIN PLAN REPRESENTATION	14692169	20160314170	QUEST SOFTWARE INC.
DETECTING UNAUTHORIZED RISKY OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF TASK COMPLETION TIMING	14700502	20160323288	QUEST SOFTWARE INC.
ACCESS TO DISPARATE CLOUD SERVICES	14700444	20160323381	QUEST SOFTWARE INC.
REQUESTING WEB PAGES AND CONTENT RATING INFORMATION	15210259 06/03/2016	20160323415	DELL SOFTWARE INC.
METHOD OF OPTIMIZING COMPLEX SQL STATEMENTS USING A REGION DIVIDED PREFERENTIAL SQL REWRITE OPERATION	14702858	20160328446	DELL SOFTWARE INC.
SELECTING A CLOUD FROM A PLURALITY OF CLOUDS FOR A WORKLOAD	14706060	20160330138	DELL SOFTWARE INC.
METHOD FOR DETERMINING PREDICTIVE RESPONSE TIME ACROSS ENTERPRISE COMMUNICATION SYSTEMS	14719121 5/21/2015	20160344672	DELL SOFTWARE INC.
DATA FINGERPRINT STRENGTHENING	14722914	20160350301	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR ADAPTIVE PATHS LOCATOR FOR VIRTUAL NETWORK FUNCTION LINKS	14722125	20160352578	DELL SOFTWARE INC.
MIGRATE NICKNAME CACHE FOR EMAIL SYSTEMS AND DEVICES	14731278	20160357438	DELL SOFTWARE INC.
DETERMINE CONFIDENCE OF MAIL ARCHIVE OWNERSHIP FROM SENDERS IN "SENT ITEMS" FOLDER	14731283	20160357735	DELL SOFTWARE INC.
SELECTIVELY SUPPRESS OR THROTTLE MIGRATION OF DATA ACROSS WAN CONNECTIONS	14731252	20160359746	QUEST SOFTWARE INC.
MIGRATION ENHANCED BY PRESENCE, INSTANT MESSAGING, AND LAST LOG- ON TIME	14731271	20160359953	DELL SOFTWARE INC.
DYNAMICALLY OPTIMIZING DATA ACCESS PATTERNS USING PREDICTIVE CROWDSOURCING	14738087	20160364423	DELL SOFTWARE INC.
A SYSTEM FOR ENABLING INDIVIDUAL TENANTS IN A MULTI-TENANT SAAS ENVIRONMENT TO CONTROL THEIR OWN UPGRADE TIMELINES ON AN ACCOUNT- BY-ACCOUNT BASIS.	14741021	20160371071	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SYSTEM AND METHOD FOR IMPROVING SECURITY INTELLIGENCE THROUGH INVENTORY DISCOVERY	14797010	20170013007	DELL SOFTWARE INC.
SIZING OF ONE OR MORE JOBS WITHIN ONE OR MORE TIME WINDOWS	14869758	20170031715	DELL SOFTWARE INC.
AUTOMATIC DETERMINATION OF OPTIMAL TIME WINDOW FOR MIGRATION, BACKUP OR OTHER PROCESSES	14815221	20170034031	DELL SOFTWARE INC.
SOCIAL MEDIA LOGIN AND INTERACTION MANAGEMENT	14815866	20170034179	DELL SOFTWARE INC.
ADAPTIVE CORE GROUPING	14819403	20170039069	SONICWALL US HOLDINGS INC.
READ-AHEAD ON SIGNED CONNECTIONS WITH UNSIGNING INLINE TRANSPARENT PROXIES	14821635	20170041431	DELL SOFTWARE INC.
OPTIMIZED AND CONSISTENT REPLICATION OF FILE OVERWRITES	14842693	20170060957	DELL SOFTWARE INC.
DURING AN EMAIL MIGRATION, CONVERTING DISTRIBUTION LIST MESSAGES INTO SINGLE-INSTANCED CONTENT WITHIN A COLLABORATION PLATFORM GROUP	14835530	20170063764	QUEST SOFTWARE INC.
CORRELATING EVENT LOGS TO IDENTIFY A POTENTIAL SECURITY BREACH	14840739	20170063884	DELL SOFTWARE INC.
AUTOMATICALLY APPLYING DATA LOSS PREVENTION RULES DURING MIGRATION	14844951	20170070464	QUEST SOFTWARE INC.
GOVERNANCE POLICY FRAMEWORK FOR CLOUD RESOURCES	14845756	20170070536	DELL SOFTWARE INC.
MODEL-BASED VDI MONITORING AND REMOTE DISPLAY SESSION LATENCY DIAGNOSTIC	14858341	20170083643	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR DUPLICATING CUSTOMER DEPLOYMENTS USING SANITIZED TOPOLOGIES	14861608	20170083643	DELL SOFTWARE INC.
ELECTRONIC-MESSAGING SYSTEM INTERCEPTOR FORWARDING CLIENT NOTIFICATIONS	14867615	20170093782	DELL SOFTWARE INC.
COMBINING A SET OF RISK FACTORS TO PRODUCE A TOTAL RISK SCORE WITHIN A RISK ENGINE	14870470	20170093863	QUEST SOFTWARE INC.
COLLECTING AND TRANSMITTING DIAGNOSTICS INFORMATION FROM PROBLEMATIC DEVICES	14872525	20170097864	DELL SOFTWARE INC.
FOLDERS THAT EMPLOY DYNAMIC USER TRAINING RULES TO ORGANIZE CONTENT	14874587	20170099247	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
IDENTIFYING A POTENTIAL MENTOR FOR A COMPUTER- ADMINISTERED TEST	14879657	20170102938	DELL SOFTWARE INC.
MANAGING PERSISTENT COOKIES ON A CORPORATE WEB PORTAL	14991567	20170104687	DELL SOFTWARE INC.
IDENTITY AUTHENTICATION USING MULTIPLE DEVICES	14877391	20170104761	DELL SOFTWARE INC.
DYNAMIC ADJUSTMENT OF INSTRUMENTATION SCOPE	14884583	20170109268	QUEST SOFTWARE INC.
EMAIL AND IDENTITY MIGRATION BASED ON MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS	14919930	20170116205	DELL SOFTWARE INC.
DOCUMENT LINK MIGRATION	14938580	20170132222	DELL SOFTWARE INC.
PLATFORM FOR ADMINISTRATION OF PERSONAL HEALTH INFORMATION	14934720	20170132366	DELL SOFTWARE INC.
METHOD TO AUTOMATICALLY CREATE OFFICE 365 GROUPS USING MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS.	14942776	20170140338	DELL SOFTWARE INC.
RESOURCE AWARE CLASSIFICATION SYSTEM	14948133	20170149690	DELL SOFTWARE INC.
INTERNET OF THINGS DYNAMIC DATA LOSS PREVENTION	14956298	20170155622	DELL SOFTWARE INC.
DISTRIBUTED DATABASE DRIVER MIDDLEWARE	14960043	20170161327	QUEST SOFTWARE INC.
DETERMINING A RISK INDICATOR BASED ON CLASSIFYING DOCUMENTS USING A CLASSIFIER	14956464	20170161503	DELL SOFTWARE INC.
USAGE-BASED MODIFICATION OF USER PRIVILEGES	14962211	20170163650	DELL SOFTWARE INC.
REASSEMBLY FREE DEEP PACKET INSPECTION FOR PEER TO PEER NETWORKS	14965866	20170171222	DELL SOFTWARE INC.
AUTOMATIC TUNNELS ROUTING LOOP ATTACK DEFENSE	14965859	20170171227	DELL SOFTWARE INC.
PRINTED DOCUMENT CONTROL WITH VERIFIED UNIQUE WATERMARKS	14968455	20170171424	DELL SOFTWARE INC.
REGISTERING NETWORK DEVICES USING KNOWN HOST DEVICES	14964027	20170171831	QUEST SOFTWARE INC.
TCP TRAFFIC PRIORITY CONTROL BASED ON TCP WINDOW ADJUSTMENT IN BANDWIDTH MANAGEMENT	14975625	20170180230	DELL SOFTWARE INC.
CONTROLLING CONTENT MODIFICATIONS BY ENFORCING ONE OR MORE CONSTRAINT LINKS	14981299	20170185798	DELL SOFTWARE INC.
CONTEXT-AWARE DELEGATION ENGINE	14980009	20170187753	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
EMAIL RECOVERY VIA EMULATION AND INDEXING	14989654	20170192854	QUEST SOFTWARE INC.
SMART EXCHANGE DATABASE INDEX	14989657	20170193079	QUEST SOFTWARE INC.
TEMPORARY DISPOSABLE PORTABLE IDENTIFIER	14994328	20170201879	DELL SOFTWARE INC.
DELAYING ONE OR MORE SEARCHES TO CAUSE MULTIPLE SEARCHES TO LOAD AND EVALUATE SEGMENTS TOGETHER	15000867	20170206247	QUEST SOFTWARE INC.
DYNAMIC DNS DESTINATION SELECTION	14996133	20170207989	DELL SOFTWARE INC.
USER BASED STATELESS IPV6 RA-GUARD	14996036	20170208035	DELL SOFTWARE INC.
RECOVERING A SPECIFIED SET OF DOCUMENTS FROM A DATABASE BACKUP	15008081	20170212811	DELL SOFTWARE INC.
MULTIDIMENSIONAL SYNOPSIS GENERATION	15005840	20170213258	QUEST SOFTWARE INC.
OPTIMIZER MODULE IN HIGH LOAD CLIENT/SERVER SYSTEMS	15005846	20170214759	QUEST SOFTWARE INC.
READ-ONLY FILE SYSTEM FOR TESTING DE- DUPLICATION	15009617	20170220593	DELL SOFTWARE INC.
APPARATUS FOR EVENT CATEGORIZATION AND PUBLISHING	15136464	20170220664	DELL SOFTWARE INC.
CONTEXT-AWARE DELEGATION RISK SYSTEM	15017107	20170228558	DELL SOFTWARE INC.
NETWORK CHANGE AUDITING SYSTEM	15040793	20170228673	DELL SOFTWARE INC.
DEPUTIZING AGENTS TO REDUCE A VOLUME OF EVENT LOGS SENT TO A COORDINATOR	15018059	20170230324	DELL SOFTWARE INC.
PROVIDING A SINGLE INTERFACE FOR ACCESSING RESOURCES THAT ARE DISTRIBUTED AMONG MULTIPLE PLATFORMS	15019756	20170230458	QUEST SOFTWARE INC.
LEVERAGING CONTINUOUS REPLICATION TO COPY SNAPSHOT BACKUP IMAGE	15045545	20170235506	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR CONTROL OF PRINTED DOCUMENTS BASED ON CLASSIFICATION	15048563	20170242638	DELL SOFTWARE INC.
GENERATING SIMULATION DATA USING A LINEAR CURVE SIMPLIFICATION AND REVERSE SIMPLIFICATION METHOD	15055901	20170249402	QUEST SOFTWARE INC.
MONITORING, ANALYZING, AND MAPPING OF COMPUTING RESOURCES	15062905	20170255506	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
OBTAINING EMPLOYEE PERMISSION TO COLLECT DATA ASSOCIATED WITH EMPLOYEE USE OF CORPORATE RESOURCES	15072987	20170270437	DELL SOFTWARE INC.
PROVIDING AN EMPLOYEE A PERK TO COLLECT DATA OF EMPLOYEE USAGE OF CORPORATE RESOURCES	15073154	20170270457	DELL SOFTWARE INC.
DETERMINING DATA THAT IS COLLECTED WHEN AN EMPLOYEE USES CORPORATE RESOURCES	15072715	20170272336	DELL SOFTWARE INC.
NETWORK OPTIMIZATION AND CLIENT STEERING BASED ON WIRELESS DATA RATE CAPABILITIES OF MIXED CLIENT DEVICES	15085180	20170289837	DELL SOFTWARE INC.
PRESERVING DATA PROTECTION AND ENABLING SECURE CONTENT AWARENESS IN QUERY SERVICES	15132120	20170300702	DELL SOFTWARE INC.
SYMBIOTIC DATA INSIGHTS FROM HARMONIZED QUERIES	15138701	20170308573	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR USING A STRUCTURED QUERY DIALECT TO ACCESS DOCUMENT DATABASES AND MERGING WITH OTHER SOURCES	15136505	20170308606	DELL SOFTWARE INC.
PRIORITIZED MESSAGING SYSTEM	15136586	20170310625	DELL SOFTWARE INC.
AUTOMATICALLY GENERATED EMPLOYEE PROFILES	15142351	20170316080	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR DEVELOPING A COST-EFFECTIVE REORGANIZATION PLAN FOR DATA REORGANIZATION	09712890 11/15/2000	6834290	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	09723855 11/27/2000	6845374	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	09850877 05/07/2001	6928471	DELL SOFTWARE INC.
GRACEFUL DEGRADATION SYSTEM	09853371 05/11/2001	6944798	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR NETWORK VIRUS PROTECTION	09835054 04/13/2001	7010807	SONICWALL US HOLDINGS, INC.
SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE	09782586 02/12/2001	7065538	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION	10841398 05/07/2004	7096392	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
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	09361678 07/27/1999	7158986	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR PROVIDING FOR DEGRADATION OF A COMPUTER APPLICATION	11217513 09/01/2005	7185237	DELL SOFTWARE INC.
LOOSELY COUPLED DATABASE CLUSTERS WITH CLIENT CONNECTION FAIL-OVER	10661412 09/11/2003	7231391	DELL SOFTWARE INC.
GENERALIZED POLICY SERVER	09720277 3/12/2001	7272625	SONICWALL US HOLDINGS INC.
MESSAGE CLASSIFICATION USING A SUMMARY	10371977 02/20/2003	7299261	SONICWALL US HOLDINGS, INC.
METHOD AND APPARATUS FOR DATASTREAM ANALYSIS AND BLOCKING	10697846 10/29/2003	7310815	SONICWALL US HOLDINGS INC.
MANAGING INFECTIOUS MESSAGES AS IDENTIFIED BY AN ATTACHMENT	11156373 06/16/2005	7343624	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	09783146 02/13/2001	7360075	SONICWALL US HOLDINGS, INC.
METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION	11507257 08/21/2006	7363549	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR CLASSIFYING A MESSAGE BASED ON CANONICAL EQUIVALENT OF ACCEPTABLE ITEMS INCLUDED IN THE MESSAGE	10616703 07/09/2003	7406502	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR REFLECTING MESSAGES ASSOCIATED WITH A TARGET PROTOCOL WITHIN A NETWORK	10459725 06/10/2003	7428590	DELL SOFTWARE INC.
FRAUDULENT MESSAGE DETECTION	10678965 10/02/2003	7451487	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE	11439073 05/23/2006	7461103	DELL SOFTWARE INC.
CENTRALIZED WIRELESS LAN LOAD BALANCING	11056525 02/10/2005	7480264	SONICWALL US HOLDINGS INC.
NETWORK INTERFACE DEVICE HAVING BYPASS CAPABILITY	11370722 03/07/2006	7509520	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
DATABASE CLUSTER SYSTEMS AND METHODS FOR MAINTAINING CLIENT CONNECTIONS	11471313 06/20/2006	7512682	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR NO DOWNTIME, INITIAL DATA UPLOAD FOR REAL-TIME, CONTINUOUS DATA PROTECTION	10863117 06/08/2004	7519870	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	11198912 08/04/2005	7539655	DELL SOFTWARE INC.
MESSAGE TESTING	10422359 04/23/2003	7539726	SONICWALL US HOLDINGS, INC.
MESSAGE HANDLING WITH SELECTIVE USER PARTICIPATION	10830410 04/21/2004	7546348	SONICWALL US HOLDINGS INC.
MESSAGE CLASSIFICATION USING ALLOWED ITEMS	11927497 10/29/2007	7562122	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	11198019 08/04/2005	7565336	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES	10842286 05/10/2004	7565661	DELL SOFTWARE INC.
METHOD AND AN APPARATUS TO PERFORM SECURE REAL- TIME TRANSPORT PROTOCOL- ON-THE-FLY	10980375 11/02/2004	7570765	SONICWALL US HOLDINGS INC.
QUERY INTERFACE TO POLICY SERVER	10019101 12/20/2001	7580919	SONICWALL US HOLDINGS, INC.
METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	10964871 10/13/2004	7600257	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR PROVIDING CLIENT CONNECTION FAIL-OVER	11754891 05/29/2007	7606839	DELL SOFTWARE INC.
APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN SYSTEM.	95001458 9/20/2010 [Reexam]	7617501	DELL SOFTWARE INC.
APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM	10888845 07/09/2004	7617501	DELL SOFTWARE INC.
NETWORK ABSTRACTION AND ISOLATION LAYER RULES- BASED FEDERATION AND MASQUERADING	11053770 02/09/2005	7643484	DELL SOFTWARE INC.
AUTOMATIC DISCOVERY OF USERS ASSOCIATED WITH SCREEN NAMES	10167229 06/10/2002	7657616	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SYSTEMS AND METHODS FOR AUTHENTICATION OF TARGET PROTOCOL SCREEN NAMES	10459421 06/10/2003	7664822	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR A PROTOCOL GATEWAY	10459408 06/10/2003	7707401	DELL SOFTWARE INC.
REASSEMBLY-FREE REWRITING OF OUT-OF-ORDER DATA PAYLOAD	11772723 07/02/2007	7738380	SONICWALL US HOLDINGS INC.
LINK-BASED CONTENT RATINGS OF PAGES	11112505 04/21/2005	7739253	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR REMOTE ROGUE PROTOCOL ENFORCEMENT	11556470 11/03/2006	7756981	DELL SOFTWARE INC.
NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER	10950355 09/24/2004	7769004	DELL SOFTWARE INC.
METHOD AND AN APPARATUS TO STORE CONTENT RATING INFORMATION	10853447 05/24/2004	7769766	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES	11294739 12/06/2005	7774832	DELL SOFTWARE INC.
COMPUTER STORAGE CAPACITY FORECASTING SYSTEM USING CLUSTER-BASED SEASONALITY ANALYSIS	11823108 06/25/2007	7783510	DELL SOFTWARE INC.
FORECAST MODEL QUALITY INDEX FOR COMPUTER STORAGE CAPACITY PLANNING	11823111 06/25/2007	7788127	DELL SOFTWARE INC.
TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	11881770 07/27/2007	7792846	SONICWALL US HOLDINGS INC.
ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	11881530 07/27/2007	7792850	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR QUIESCING SELECT DATA MODIFICATION OPERATIONS AGAINST AN OBJECT OF A DATABASE DURING ONE OR MORE STRUCTURAL OPERATIONS	09713479 11/15/2000	7805423	DELL SOFTWARE INC.
MESSAGE CLASSIFICATION USING CLASSIFIERS	11927493 10/29/2007	7814545	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES	10459111 06/10/2003	7818565	DELL SOFTWARE INC.
GENERALIZED POLICY SERVER	11897626 08/31/2007	7821926	SONICWALL US HOLDINGS INC.
METHOD AND AN APPARATUS TO PERFORM DYNAMIC SECURE RE-ROUTING OF DATA FLOWS FOR PUBLIC SERVICES	11051321 02/03/2005	7823196	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	11112252 04/21/2005	7835361	SONICWALL US HOLDINGS INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774278 7/6/2007	7881544	QUEST SOFTWARE INC.
USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	11926819 10/29/2007	7882189	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK	11869575 10/09/2007	7882265	DELL SOFTWARE INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774333 7/6/2007	7885988	QUEST SOFTWARE INC.
IDENTITY MIGRATION SYSTEM APPARATUS AND METHOD	11926512 10/29/2007	7895332	DELL SOFTWARE INC.
APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES A LEGACY APPLICATION	95001872 1/12/2012 [Reexam]	7904949	DELL SOFTWARE INC.
MESSAGE AUDITING	11927523 10/29/2007	7908330	SONICWALL US HOLDINGS INC.
ADAPTIVE ENCRYPTION	11927214 10/29/2007	7912856	SONICWALL US HOLDINGS INC.
TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATOIN	12822439 06/24/2010	7917522	DELL SOFTWARE INC.
MESSAGE TESTING BASED ON A DETERMINATE MESSAGE CLASSIFICATION AND MINIMIZED RESOURCE CONSUMPTION	11927516 10/29/2007	7921204	SONICWALL US HOLDINGS INC.
DECLASSIFYING OF SUSPICIOUS MESSAGES	11927514 10/29/2007	7925707	SONICWALL US HOLDINGS INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774297 7/6/2007	7936932	QUEST SOFTWARE INC.
METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	12500109 07/09/2009	7941385	DELL SOFTWARE INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774267 7/6/2007	7961959	QUEST SOFTWARE INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774272 7/6/2007	7961960	QUEST SOFTWARE INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774310 7/6/2007	7970216	QUEST SOFTWARE INC.
SYSTEMS AND METHODS FOR REORGANIZING A DATABASE OBJECT	12869138 08/26/2010	7970748	DELL SOFTWARE INC.
E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	12511436 07/29/2009	7970843	DELL SOFTWARE INC.
METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	11774319 7/6/2007	7974478	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
MODEL-BASED SYSTEMS AND METHODS FOR MONITORING COMPUTING RESOURCE PERFORMANCE	11749559 05/16/2007	7979245	DELL SOFTWARE INC.
EXTRACTING DATA CHANGES AND STORING DATA HISTORY TO ALLOW FOR INSTANTANEOUS ACCESS TO AND RECONSTRUCTION OF ANY POINT-IN-TIME DATA	10943541 09/17/2004	7979404	DELL SOFTWARE INC.
METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	12691616 01/21/2010	7979441	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	11934610 11/02/2007	7979494	DELL SOFTWARE INC.
DISCOVERING DATA STORAGE FOR BACKUP	11152351 06/13/2005	7979650	DELL SOFTWARE INC.
METHOD AND AN APPARATUS TO IDENTIFY SECURITY ASSOCIATION OF VIRTUAL PRIVATE NETWORK TUNNELS	11190382 07/26/2005	7984495	SONICWALL US HOLDINGS INC.
PACKET PROCESSING ON A MULTI-CORE PROCESSOR	12240892 09/29/2008	7990974	SONICWALL US HOLDINGS INC.
DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATION	11778546 07/16/2007	7991723	SONICWALL US HOLDINGS INC.
ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	12846102 07/29/2010	7996415	SONICWALL US HOLDINGS INC.
MAC ADDRESS MODIFICATION OF OTHERWISE LOCALLY BRIDGED CLIENT DEVICES TO PROVIDE SECURITY	11058828 02/15/2005	7996894	SONICWALL US HOLDINGS INC.
FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR	12023920 01/31/2008	8001074	DELL SOFTWARE INC.
METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	10853557 05/24/2004	8015169	SONICWALL US HOLDINGS INC.
COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	12474688 05/29/2009	8015454	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	12182364 07/30/2008	8046550	DELL SOFTWARE INC.
METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	12695407 01/28/2010	8051361	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	12502052 07/13/2009	8060476	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES	12488657 06/22/2009	8060889	DELL SOFTWARE INC.
AUTHENTICATION MARK-UP DATA OF MULTIPLE LOCAL AREA NETWORKS	11118506 04/28/2005	8074259	SONICWALL US HOLDINGS INC.
CAPACITY POOLING FOR APPLICATION RESERVATION AND DELIVERY	11690254 03/23/2007	8078728	DELL SOFTWARE INC.
EFFICIENT STRING SEARCH	11881556 07/27/2007	8086441	SONICWALL US HOLDINGS INC.
IDENTITY MIGRATION APPARATUS AND METHOD	11928887 10/30/2007	8086710	DELL SOFTWARE INC.
TAPE IMAGE ON NON-TAPE STORAGE DEVICE	12844297 07/27/2010	8086782	DELL SOFTWARE INC.
METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	12695385 01/28/2010	8086937	DELL SOFTWARE INC.
DISCONNECTED CREDENTIAL VALIDATION USING PRE- FETCHED SERVICE TICKETS	11352693 02/13/2006	8087075	DELL SOFTWARE INC.
SECURE ACCESS TO REMOTE RESOURCES OVER 01/19/2010A NETWORK	12690018 01/19/2010	8090827	SONICWALL US HOLDINGS INC.
SYSTEM FOR MOVING REAL- TIME DATA EVENTS ACROSS A PLURALITY OF DEVICES IN A NETWORK FOR SIMULTANEOUS DATA PROTECTION, REPLICATION, AND ACCESS SERVICES	11123994 05/06/2005	8108429	DELL SOFTWARE INC.
HIGH PERFORMANCE ELECTRONIC MESSAGE DELIVERY ENGINE	12475729 06/01/2009	8108476	DELL SOFTWARE INC.
MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	12502189 07/13/2009	8108477	SONICWALL US HOLDINGS INC.
SIGNATURE GENERATION USING MESSAGE SUMMARIES	11903413 09/20/2007	8112486	SONICWALL US HOLDINGS INC.
ANALYZING TRAFFIC PATTERNS TO DETECT INFECTIOUS MESSAGES	11927424 10/29/2007	8122508	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	11947695 11/29/2007	8127316	DELL SOFTWARE INC.
RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	12059505 03/31/2008	8131723	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
REPLICATION SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	12502035 07/13/2009	8135930	DELL SOFTWARE INC.
GENERALIZED POLICY SERVER	12850587 08/04/2010	8136143	SONICWALL US HOLDINGS INC.
DISCOVERING DATA STORAGE FOR BACKUP	13179813 07/11/2011	8145864	DELL SOFTWARE INC.
METHOD AND AN APPARATUS TO STORE INFORMATION REGARDING WEB PAGES	10942292 09/15/2004	8150875	SONICWALL US HOLDINGS INC.
METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION	12845215 07/28/2010	8151140	DELL SOFTWARE INC.
E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	13114282 05/24/2011	8156192	DELL SOFTWARE, INC.
SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	13244167 09/23/2011	8166265	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE	12575342 10/07/2009	8171201	DELL SOFTWARE INC.
MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES	13179405 07/08/2011	8175862	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	12370399 02/12/2009	8175863	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	13179356 07/08/2011	8185598	DELL SOFTWARE INC.
WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	12724363 03/15/2010	8189608	SONICWALL US HOLDINGS INC.
LOCKLESS DISTRIBUTED IPSEC PROCESSING	12240784 09/29/2008	8191134	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR AGGREGATING COMMUNICATIONS AND FOR TRANSLATING BETWEEN OVERLAPPING INTERNAL NETWORK ADDRESSES AND UNIQUE EXTERNAL NETWORK ADDRESSES	12339053 12/19/2008	8194674	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR DATA REDUCTION	12901824 10/11/2010	8195628	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK	13016899 01/28/2011	8195833	DELL SOFTWARE INC.
METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	13179904 07/11/2011	8200706	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	13241004 09/22/2011	8205139	DELL SOFTWARE INC.
MULTIPLE FILE COMPACTION FOR NETWORK ATTACHED STORAGE	12038223 2/27/2008	8219534	QUEST SOFTWARE INC.
VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION	12038219 2/27/2008	8224831	QUEST SOFTWARE INC.
LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS	12906653 10/18/2010	8229962	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA	11951008 12/05/2007	8234253	QUEST SOFTWARE INC.
SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	12612569 11/04/2009	8245242	DELL SOFTWARE INC.
PROVISIONING REMOTE COMPUTERS FOR ACCESSING RESOURCES	11009692 12/10/2004	8255973	SONICWALL US HOLDINGS INC.
INTELLIGENT BACKUP ESCALATION SYSTEM	12725191 03/16/2010	8260750	DELL SOFTWARE INC.
USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	10371987 02/20/2003	8266215	SONICWALL US HOLDINGS, INC.
SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	13455583 04/25/2012	8266231	DELL SOFTWARE INC.
DIMINISHING FALSE POSITIVE CLASSIFICATIONS OF UNSOLICITED ELECTRONIC- MAIL	11455037 06/16/2006	8271603	SONICWALL US HOLDINGS INC.
DISCOVERING DATA STORAGE FOR BACKUP	13425166 03/20/2012	8271755	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	12913668 10/27/2010	8272057	SONICWALL US HOLDINGS INC.
CLOUD-BASED GATEWAY SECURITY SCANNING	12509955 07/27/2009	8276202	SONICWALL US HOLDINGS INC.
DECLASSIFYING OF SUSPICIOUS MESSAGES	13085421 04/12/2011	8285804	SONICWALL US HOLDINGS INC.
EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	13080638 04/05/2011	8296382	SONICWALL US HOLDINGS INC.
E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	13416283 03/09/2012	8312093	DELL SOFTWARE INC.
METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS	12547860 08/26/2009	8321939	SONICWALL US HOLDINGS INC.
NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER	12838009 07/16/2010	8331391	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR	13209018 08/12/2011	8332346	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE	13448220 04/16/2012	8332571	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	13448010 04/16/2012	8335902	DELL SOFTWARE INC.
IDENTITY MIGRATION APPARATUS AND METHOD	13324874 12/13/2011	8346908	QUEST SOFTWARE, INC.
COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	13225258 09/02/2011	8347148	DELL SOFTWARE INC.
RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	13242916 09/23/2011	8352523	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	13464042 05/04/2012	8364460	DELL SOFTWARE INC.
RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY	12099837 04/09/2008	8364648	DELL SOFTWARE INC.
ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	13196480 08/02/2011	8370374	SONICWALL US HOLDINGS INC.
BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	13244187 09/23/2011	8375003	DELL SOFTWARE INC.
METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	13436624 03/30/2012	8375248	DELL SOFTWARE INC.
REPRESENTING AND STORING AN OPTIMIZED FILE SYSTEM USING A SYSTEM OF SYMLINKS, HARMLINKS AND FILE ARCHIVES	12573690 10/5/2009	8386443	QUEST SOFTWARE INC.
MESSAGE CHALLENGE RESPONSE	10387352 03/11/2003	8396926	SONICWALL US HOLDINGS, INC.
METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION	12624354 11/23/2009	8423520	QUEST SOFTWARE INC.
METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	13489751 06/06/2012	8429198	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT	12566231 09/24/2009	8429649	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD	11424874 06/18/2006	8429712	DELL SOFTWARE INC.
DATA REPLICATION FROM ONE- TO- ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES	12959913 12/03/2010	8438352	DELL SOFTWARE INC.
SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES	13101863 05/05/2011	8453145	DELL SOFTWARE INC.
MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	13361659 01/30/2012	8463861	SONICWALL US HOLDINGS INC.
USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	13015526 01/27/2011	8484301	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA	12939637 11/04/2010	8499001	DELL SOFTWARE INC.
REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	12661470 03/16/2010	8522347	SONICWALL US HOLDINGS INC.
SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING	13235254 09/16/2011	8527543	DELL SOFTWARE INC.
EFFICIENT STRING SEARCH	13335743 12/22/2011	8577669	SONICWALL US HOLDINGS INC.
IDENTIFICATION OF CONTENT	12651327 12/31/2009	8578484	SONICWALL US HOLDINGS INC.
IDENTIFICATION OF CONTENT BY METADATA	12715337 03/01/2010	8578485	SONICWALL US HOLDINGS INC.
METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	13491484 06/07/2012	8578489	SONICWALL US HOLDINGS INC.
DISCONNECTED CREDENTIAL VALIDATION USING PRE- FETCHED SERVICE TICKETS	13333650 12/21/2011	8584218	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	13587748 08/16/2012	8584238	SONICWALL US HOLDINGS INC.
WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	13478003 05/22/2012	8594109	SONICWALL US HOLDINGS INC.
PACKET PROCESSING ON A MULTI-CORE PROCESSOR	13196454 08/02/2011	8594131	SONICWALL US HOLDINGS INC.
MESSAGE CLASSIFICATION USING DOMAIN NAME AND IP ADDRESS EXTRACTION	11927477 10/29/2007	8612560	SONICWALL US HOLDINGS INC.
DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATION	13196484 08/02/2011	8626689	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	11003920 12/03/2004	8645389	SONICWALL US HOLDINGS INC.
VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION	13491679 6/8/2012	8655898	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
NET-BASED EMAIL FILTERING	13155819 06/08/2011	8671447	SONICWALL US HOLDINGS INC.
CONTINUOUS DATA BACKUP USING REAL TIME DELTA STORAGE	12571250 09/30/2009	8676759	SONICWALL US HOLDINGS INC.
SIGNATURE GENERATION USING MESSAGE SUMMARIES	13360971 01/30/2012	8688794	SONICWALL US HOLDINGS INC.
IMAGE BASED SPAM BLOCKING	12715335 03/01/2010	8693782	SONICWALL US HOLDINGS INC.
OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	12574990 10/7/2009	8694466	QUEST SOFTWARE INC.
IDENTIFICATION OF PROTECTED CONTENT IN E-MAIL MESSAGES	11927466 10/29/2007	8713110	SONICWALL US HOLDINGS INC.
FINGERPRINT DEVELOPMENT IN IMAGE BASED SPAM BLOCKING	12651299 12/31/2009	8718318	SONICWALL US HOLDINGS INC.
MESSAGE CHALLENGE RESPONSE	13787693 03/06/2013	8732256	SONICWALL US HOLDINGS INC.
CLOUD-BASED GATEWAY SECURITY SCANNING	13626777 09/25/2012	8769678	SONICWALL US HOLDINGS INC.
EFFICIENT STRING SEARCH	13973859 08/22/2013	8775164	SONICWALL US HOLDINGS INC.
STATISTICAL MESSAGE CLASSIFIER	13340509 12/29/2011	8776210	SONICWALL US HOLDINGS INC.
REASSEMBLY-FREE DEEP PACKET INSPECTION ON MULTI-CORE HARDWARE	12238205 09/25/2008	8813221	SONICWALL US HOLDINGS INC.
MOBILE DEVICE IDENTIFY FACTOR FOR ACCESS CONTROL POLICIES	13398616 02/16/2012	8826388	SONICWALL US HOLDINGS INC.
METHODS AND APPARATUS FOR ACTIVE OPTIMIZATION OF DATA	13041282 3/4/2011	8849773	QUEST SOFTWARE INC.
TIME ZERO DETECTION OF INFECTIOUS MESSAGES	11927438 10/29/2007	8850566	SONICWALL US HOLDINGS INC.
MESSAGE CLASSIFICATION BASED ON LIKELIHOOD OF SPOOFING	10776677 02/10/2004	8856239	SONICWALL US HOLDINGS INC.
SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	12574580 10/6/2009	8862559	QUEST SOFTWARE INC.
NOTIFICATION FOR REASSEMBLY-FREE FILE SCANNING	11837779 08/13/2007	8863286	SONICWALL US HOLDINGS INC.
MESSAGE DISTRIBUTION CONTROL	11036603 01/14/2005	8886727	SONICWALL US HOLDINGS INC.
ACCELERATED DEDUPLICATION	14010495 8/26/2013	8892528	QUEST SOFTWARE INC.
ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	13760024 02/05/2013	8892587	SONICWALL US HOLDINGS INC.
WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	14089593 11/25/2013	8908706	SONICWALL US HOLDINGS INC.
REPUTATION BASED THREAT PROTECTION	13210324 08/15/2011	8910279	SONICWALL US HOLDINGS INC.
IDENTIFICATION OF CONTENT BY METADATA	14071192 11/04/2013	8918870	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	10197393 07/16/2002	8924484	SONICWALL US HOLDINGS, INC.
GENERALIZED POLICY SERVER	13364214 02/01/2012	8935311	SONICWALL US HOLDINGS INC.
MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	13913413 06/08/2013	8935348	SONICWALL US HOLDINGS INC.
MANAGING INFECTIOUS FORWARDED MESSAGES	11895519 08/24/2007	8955106	SONICWALL US HOLDINGS INC.
ANALYZING TRAFFIC PATTERNS TO DETECT INFECTIOUS MESSAGES	13400548 02/20/2012	8955136	SONICWALL US HOLDINGS INC.
METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION	12954348 11/24/2010	8965852	QUEST SOFTWARE INC.
DECLASSIFYING OF SUSPICIOUS MESSAGES	13648259 10/9/2012	8977696	SONICWALL US HOLDINGS INC.
ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	11927414 10/29/2007	8990312	SONICWALL US HOLDINGS INC.
METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	13226376 9/6/2011	9015199	SONICWALL US HOLDINGS INC.
MESSAGE CHALLENGE RESPONSE	14226598 3/26/2014	9021039	SONICWALL US HOLDINGS INC.
STORAGE OPTIMIZATION MANAGER	13158292 6/10/2011	9201890	QUEST SOFTWARE INC.
AUTOMATED REMEDIATION WITH AN APPLIANCE	13560762 7/27/2012	9210044	QUEST SOFTWARE INC.
A LEARNING MACHINE TO OPTIMIZE RANDOM ACCESS IN A STORAGE SYSTEM	13784575 3/4/2013	9250819	QUEST SOFTWARE INC.
OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	14245084 4/4/2014	9251161	QUEST SOFTWARE INC.
FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS	13415324 3/8/2012	9256609	QUEST SOFTWARE INC.
SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	14507731 10/6/2014	9262432	QUEST SOFTWARE INC.
HEAT INDICES FOR FILE SYSTEMS AND BLOCK STORAGE	14498597 9/26/2014	9311322	QUEST SOFTWARE INC.
VIRTUAL DISK UTILITY	13081335 4/6/2011	9323778	QUEST SOFTWARE INC.
METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION	13862911 4/15/2013	9367558	QUEST SOFTWARE INC.
SYSTEM AND METHOD FOR MANIPULATING USER-INTERFACE DISPLAY ITEMS FOR WEB WIDGETS	13739731 1/11/2013	9389879	QUEST SOFTWARE INC.
MINI APPLIANCE ENSURING SOFTWARE LICENSE COMPLIANCE	13182230 7/13/2011	9396311	SONICWALL US HOLDINGS INC.
DATA BLOCK MIGRATION	13158289 6/10/2011	9400799	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
MINI APPLIANCE	13182145 7/13/2011	9430622	SONICWALL US HOLDINGS INC.
MAINTAINING DEDUPLICATION DATA IN NATIVE FILE FORMATS	13243965 9/23/2011	9442951	QUEST SOFTWARE INC.
EFFICIENT REPLICA CLEANUP DURING RESYNCHRONIZATION	13748743 1/24/2013	9448948	QUEST SOFTWARE INC.
APPLICATION TRANSPARENT DEDUPLICATION DATA	13243985 9/23/2011	9449013	QUEST SOFTWARE INC.
RESYNCHRONIZATION OF REPLICATED DATA	13306878 11/29/2011	9449014	QUEST SOFTWARE INC.
MESSAGE DISTRIBUTION CONTROL	14491829 09/19/2014	9454672	SONICWALL US HOLDINGS INC.
SYNCHRONIZED STORAGE SYSTEM OPERATION	14154961 1/14/2014	9460178	QUEST SOFTWARE INC.
NOTIFICATION FOR REASSEMBLY-FREE FILE SCANNING	14475441 09/02/2014	9462012	SONICWALL US HOLDINGS INC.
HOST SOFTWARE BASED OPTIMIZED INSTANT CLONES	14672675	9465642	DELL SOFTWARE INC.
METHOD AND APPARATUS FOR PROVIDING SECURE DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	13970550 08/19/2013	9467290	SONICWALL US HOLDINGS INC.
SINGLE LOGIN AUTHENTICATION FOR USERS WITH MULTIPLE IPV4/IPV6 ADDRESSES	14473190 01/30/2014	9467456	SONICWALL US HOLDINGS INC.
APPROXIMATE MATCHING OF STRINGS FOR MESSAGE FILTERING	11927458 10/29/2007	9471712	SONICWALL US HOLDINGS INC.
CORRELATING PERFORMANCE ISSUES AND ERRORS TO FIND CORRELATION ACROSS FACTORS	14292135	9479414	DELL SOFTWARE INC.
CONSTRUCTION ABORTION OF DFA BASED ON EXPRESSION	13957322 08/01/2013	9489215	SONICWALL US HOLDINGS INC.
SYSTEMS AND METHODS FOR PERFORMANCE INDEXING	13594431	9495222	DELL SOFTWARE INC.
CONTINUOUS DATA BACKUP USING REAL TIME DELTA STORAGE	14214013 03/14/2014	9495252	SONICWALL US HOLDINGS INC.
SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES	14869072	9495437	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR CLASSIFYING DATA	13906246 05/30/2013	9501744	DELL SOFTWARE INC.
ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	14637315 03/03/2015	9503406	SONICWALL US HOLDINGS INC.
DATA MODELING SYSTEM FOR ENABLING RUNTIME SCHEMA EXTENSIBILITY	13658747	9507820	DELL SOFTWARE INC.
EFFICIENT STRING SEARCH	14326230 07/08/2014	9542387	SONICWALL US HOLDINGS INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
BOOT RESTORE SYSTEM FOR RAPIDLY RESTORING VIRTUAL MACHINE BACKUPS	12902930	9547562	DELL SOFTWARE INC.
SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS	13658709	9557879	DELL SOFTWARE INC.
A METHOD FOR IDENTIFYING GROUPINGS OF USER ACTIVITY USING THE K- MEANS CLUSTERING ALGORITHM APPLIED TO TEMPORAL ACTIVITY DATA	14264889	9558246	DELL SOFTWARE INC.
HOME HUB	13343924 1/5/2012	9559859	QUEST SOFTWARE INC.
SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	14683462	9563782	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR INTERACTIVE TUTORIALS	13804476	9569287	DELL SOFTWARE INC.
CATALOGING SYSTEM FOR IMAGE-BASED BACKUP	13156199	9569446	DELL SOFTWARE INC.
SYSTEMS AND METHODS OF REPORTING CONTENT- EXPOSURE EVENTS	14683513	9569626	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR INFERRING AND ADAPTING A NETWORK TOPOLOGY	13935075	9571348	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR DATA LOSS PREVENTION ACROSS HETEROGENEOUS COMMUNICATIONS PLATFORMS	14089427 11/25/2013	9578060	DELL SOFTWARE INC.
DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATON	14096866 12/04/2013	9582756	SONICWALL US HOLDINGS INC.
PROXY AUTHENTICATION FOR MULTIPLE CORE NETWORK DEVICE	14605731 01/26/2015	9584516	SONICWALL US HOLDINGS INC.
DETECTING SHARED OR COMPROMISED CREDENTIALS THROUGH ANALYSIS OF SIMULTANEOUS ACTIONS	14694647	9596249	QUEST SOFTWARE INC.
HEAT INDICES FOR FILE SYSTEMS AND BLOCK STORAGE	15067976 3/11/2016	9600488	QUEST SOFTWARE INC.
OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	14996608 1/15/2016	9613043	QUEST SOFTWARE INC.
DETECTING UNAUTHORIZED, RISKY, OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF REMOTE SHELL PROTOCOL BANDWIDTH	14694634	9635045	QUEST SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
METHOD AND APPARATUS TO EXTRAPOLATE SARCASM AND IRONY USING MULTI- DIMENSIONAL MACHINE LEARNING BASED LINGUISTIC ANALYSIS	14726971	9640177	DELL SOFTWARE INC.
PROVIDING CONTROLLED ACCESS TO ADMIN CREDENTIALS DURING A MIGRATION	14845050	9641534	QUEST SOFTWARE INC.
SYSTEMS AND METHODS OF TRACKING CONTENT- EXPOSURE EVENTS	14683465	9641555	DELL SOFTWARE INC.
UNIFIED SOURCE USER CHECKING OF TCP DATA PACKETS FOR NETWORK DATA LEAKAGE PREVENTION	14819104	9654446	SONICWALL US HOLDINGS INC.
TWO STAGE MEMORY ALLOCATION USING A CACHE	14708110	9658794	SONICWALL US HOLDINGS INC.
WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	14530668 10/31/2014	9668200	SONICWALL US HOLDINGS INC.
DEPLOYMENT AND MANAGEMENT OF VIRTUAL CONTAINERS	13743191 1/16/2013	9672078	QUEST SOFTWARE INC.
FIREWALL INFORMED BY WEB SERVER SECURITY POLICY IDENTIFYING AUTHORIZED RESOURCES AND HOSTS	14937776	9723027	DELL SOFTWARE INC.
SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACK-END PERFORMANCE DATA	15149750	9736215	DELL SOFTWARE INC.
FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS	15018809 2/8/2016	9753648	QUEST SOFTWARE INC.
FILE AWARE BLOCK LEVEL DEDUPLICATION	13937150 7/8/2013	9753937	QUEST SOFTWARE INC.
SYSTEM AND METHOD FOR CONTENT-INDEPENDENT DETERMINATION OF FILE- SYSTEM- OBJECT RISK OF EXPOSURE	14191648	9760713	DELL SOFTWARE INC.
DEVICE ASSET TRACKING AND SERVICE DESK USING AN EXTERNAL MANAGEMENT SYSTEM AS A DATA SOURCE	14705878	9769026	DELL SOFTWARE INC.
PROXY-LESS SECURE SOCKETS LAYER (SSL) DATA INSPECTION	12497328	9769149	SONICWALL US HOLDINGS INC.
OPTIMIZED COPY OF VIRTUAL MACHINE STORAGE FILES	12537831 08/07/2009	9778946	QUEST SOFTWARE INC.
SYSTEM AND METHOD FOR DATA AGGREGATION AND ANALYSIS	13906241 05/30/2013	9779260	DELL SOFTWARE INC.
IDENTIFYING ISSUES PRIOR TO DEPLOYING SOFTWARE	14845467	9792102	DELL SOFTWARE INC.
MANAGING ALERT PROFILES	14812823	9792169	DELL SOFTWARE INC.

Title	Application Number Application Date	Publication Number Publication Date	Owner
SYSTEMS AND METHODS FOR CLOUD-BASED DEVICE CONFIGURATION MANAGEMENT OF HETEROGENEOUS DEVICES	15094257	9800994	QUEST SOFTWARE INC.
CONTENT-BASED ENCRYPTION KEYS	14722854	9813248	QUEST SOFTWARE INC.
REDUCING TRANSMISSION PATHWAY LENGTHS WITHIN A DISTRIBUTED NETWORK	14722055	9813526	DELL SOFTWARE INC.