

<b>PATENT ASSIGNMENT COVER SHEET</b>
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 Stylesheet Version v1.2

EPAS ID: PAT4121214

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST IN CERTAIN PATENTS PREVIOUSLY RECORDED AT REEL/FRAME (040039/0642)

**CONVEYING PARTY DATA**

Name	Execution Date
THE BANK OF NEW YORK MELLON TRUST COMPANY, N.A.	10/31/2016

**RECEIVING PARTY DATA**

<b>Name:</b>	AVENTAIL LLC
<b>Street Address:</b>	2001 LOGIC DRIVE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95124
<b>Name:</b>	DELL PRODUCTS L.P.
<b>Street Address:</b>	ONE DELL WAY
<b>City:</b>	ROUND ROCK
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	78682
<b>Name:</b>	DELL SOFTWARE INC.
<b>Street Address:</b>	5 POLARIS WAY
<b>City:</b>	ALISO VIEJO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92656

**PROPERTY NUMBERS Total: 649**

Property Type	Number
Patent Number:	6834290
Patent Number:	6845374
Patent Number:	6871221
Patent Number:	6928471
Patent Number:	6944798
Patent Number:	7010807
Patent Number:	7065538
Patent Number:	7096392
Patent Number:	7158986
Patent Number:	7185237

**PATENT**

Property Type	Number
Patent Number:	7231391
Patent Number:	7272625
Patent Number:	7287186
Patent Number:	7293087
Patent Number:	7299261
Patent Number:	7310815
Patent Number:	7343624
Patent Number:	7353262
Patent Number:	7353380
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Patent Number:	7760640
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<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	7912929
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<b>Patent Number:</b>	7917522
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<b>Property Type</b>	<b>Number</b>
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<b>Patent Number:</b>	8090827
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Patent Number:	8429649
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<b>Patent Number:</b>	8984268
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<b>Patent Number:</b>	9075804
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Patent Number:	9405776
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Patent Number:	RE45327
Application Number:	10105575
Application Number:	11738952
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<b>Property Type</b>	<b>Number</b>
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Application Number:	13937150
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<b>Property Type</b>	<b>Number</b>
Application Number:	14325074
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Application Number:	14491829
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<b>Property Type</b>	<b>Number</b>
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<b>Property Type</b>	<b>Number</b>
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<b>Property Type</b>	<b>Number</b>
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Application Number:	15045545
Application Number:	62321661
Application Number:	62321655
Application Number:	62321658
Application Number:	95001458
Application Number:	95001872

**CORRESPONDENCE DATA**

**Fax Number:** (650)251-5002

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**Phone:** (650) 251-5106

**Email:** jnull@stblaw.com

**Correspondent Name:** AMBER HAREZLAK

**Address Line 1:** 2475 HANOVER STREET

**PATENT**

**Address Line 4:** PALO ALTO, CALIFORNIA 94304

**ATTORNEY DOCKET NUMBER:** 001909/0009

**NAME OF SUBMITTER:** J. JASON MULL

**SIGNATURE:** /J. Jason Mull/

**DATE SIGNED:** 10/31/2016

**Total Attachments: 30**

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## RELEASE OF SECURITY INTEREST IN SPECIFIED PATENTS

This RELEASE OF SECURITY INTEREST IN PATENTS (this “Release”), dated as of October 31, 2016 (the “Effective Date”), is made by The Bank of New York Mellon Trust Company, N.A., in its capacity as Collateral Agent (the “Agent”), in favor of the grantor parties identified on Schedule I hereto (the “Grantors”).

WHEREAS, pursuant to that certain Security Agreement, dated as of September 7, 2016, by and among the Agent, the Grantors and certain other parties thereto (as amended, amended and restated, or otherwise modified from time to time, the “Security Agreement”), the Grantors granted to the Agent, in its capacity as Agent, a security interest in and to certain collateral;

WHEREAS, pursuant to the Security Agreement, the Grantors executed and delivered a Patent Security Agreement, dated as of September 7, 2016 (the “Patent Security Agreement”), for recordal with the United States Patent and Trademark Office; and

WHEREAS, the Patent Security Agreement was recorded with the United States Patent and Trademark Office on September 14, 2016 at Reel 040039, Frame 0642.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Agent hereby agrees as follows:

1. Defined Terms. All capitalized terms used, but not otherwise defined herein, shall have the respective meanings ascribed in or otherwise referenced in the Security Agreement or the Patent Security Agreement, as applicable.

2. Release of Specified Collateral. The Agent, without recourse, representation or warranty of any kind, hereby releases, discharges, terminates and cancels all of its security interest in and to the patents and patent applications set forth on Schedule II attached hereto (the “Released Patent Collateral”), arising under the Security Agreement and the Patent Security Agreement. If and to the extent that the Agent has acquired any right, title or interest in and to the Released Patent Collateral under the Patent Security Agreement, the Agent, without recourse, representation or warranty of any kind, hereby re-transfers, re-conveys and re-assigns such right, title or interest to the Grantors. The Agent hereby requests the Commissioner for Patents record this Release.

3. Limitation. This Release is applicable only and solely with respect to the Released Patent Collateral and to no other collateral arising under the Security Agreement. The Agent retains all security interests pledged and granted to the Agent under the Security Agreement with respect to all such other collateral, and the Agent’s security interest in such other collateral shall not, and shall not be deemed to, be impaired, interrupted or otherwise modified in any respect by this Release.

4. Further Assurances. The Agent agrees to take all further actions, and provide to the Grantors and their successors, assigns or other legal representatives, all such cooperation and assistance (including, without limitation, the execution and delivery of any and all documents or other instruments), reasonably requested by the Grantors, at the Grantors’ sole cost and expense, to more fully and effectively effectuate the purposes of this Release.

5. Governing Law. This Release shall be governed exclusively under the laws of New York, without regard to conflicts of law or choice of law principles.

IN WITNESS WHEREOF, the Agent has caused this Release to be executed by its duly authorized representative as of the Effective Date:

THE BANK OF NEW YORK MELLON TRUST  
COMPANY, N.A., not in its individual capacity but  
acting solely in its capacity as Agent

By: William Wallace  
Name: WILLIAM WALLACE  
Title: VICE-PRESIDENT

**GRANTORS:**

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

By: 

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

[Dell - Seahawk Patent Release]

SCHEDULE I

GRANTORS

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

SCHEDULE II

**Patents and Patent Applications**

<b>Application Number</b>	<b>Registration Number</b>	<b>Title</b>	<b>Owner</b>
09/782593	7353380	METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
09/783146	7360075	METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
10/733808	8572249	NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	Aventail LLC
11/009692	8255973	PROVISIONING REMOTE COMPUTERS FOR ACCESSING RESOURCES	Aventail LLC
11/251087	7827590	CONTROLLING ACCESS TO A SET OF RESOURCES IN A NETWORK	Aventail LLC
11/251592	8590032	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
11/371348	8661158	SMART TUNNELING TO RESOURCES IN A NETWORK	Aventail LLC
11/903219	8700775	ROUTING OF COMMUNICATIONS TO A PLATFORM SERVICE	Aventail LLC
11/927250	7698388	SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	Aventail LLC
11/927272	8005983	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
11/927286	7770222	CREATING AN INTERROGATION MANIFEST REQUEST	Aventail LLC
11/927310	7779469	PROVISIONING AN OPERATING ENVIRONMENT OF A REMOTE COMPUTER	Aventail LLC
11/927321	8438254	PROVIDING DISTRIBUTED CACHE SERVICES	Aventail LLC
11/927362	7870380	PROVIDING SECURE CONNECTIONS FOR DATA TRANSMISSION	Aventail LLC
11/927371	8984268	ENCRYPTED RECORD TRANSMISSION	Aventail LLC
12/512884	8615796	MANAGING RESOURCE ALLOCATIONS	Aventail LLC
12/512891	8613041	CREATING RULES FOR ROUTING RESOURCE ACCESS REQUESTS	Aventail LLC
12/690018	8090827	SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	Aventail LLC
12/821060	8301769	CLASSIFYING AN OPERATING ENVIRONMENT OF A REMOTE COMPUTER	Aventail LLC
12/938330	8601550	REMOTE ACCESS TO RESOURCES OVER A NETWORK	Aventail LLC
13/004812	8533457	METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
13/038340	9407456	SECURE ACCESS TO REMOTE RESOURCES OVER A NETWORK	Aventail LLC
13/398616	8826388	MOBILE DEVICE IDENTIFY FACTOR FOR ACCESS CONTROL POLICIES	Aventail LLC
13/773475		VPN DEEP PACKET INSPECTION	Aventail LLC
13/970550		METHOD AND APPARATUS FOR PROVIDING SECURE STREAMING DATA TRANSMISSION FACILITIES USING UNRELIABLE PROTOCOLS	Aventail LLC
14/058215	9300670	REMOTE ACCESS TO RESOURCES OVER A NETWORK	Aventail LLC
14/061988	9197538	RULE-BASED ROUTING TO RESOURCES	Aventail LLC



Application Number	Registration Number	Title	Owner
		THROUGH A NETWORK	
14/167985		MOBILE DEVICE IDENTITY AND ACCESS CONTROL POLICIES	Aventail LLC
14/185178	8959384	ROUTING OF COMMUNICATIONS TO ONE OR MORE PROCESSORS PERFORMING ONE OR MORE SERVICES ACCORDING TO A LOAD BALANCING FUNCTION	Aventail LLC
14/475408		MOBILE DEVICE IDENTIFY FACTOR FOR ACCESS CONTROL POLICIES	Aventail LLC
14/477767	9397927	RULE-BASED ROUTING TO RESOURCES THROUGH A NETWORK	Aventail LLC
14/624533	9268656	NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	Aventail LLC
15/007092		NETWORK APPLIANCE FOR BALANCING LOAD AND PLATFORM SERVICES	Aventail LLC
15/082485		REMOTE ACCESS TO RESOURCES OVER A NETWORK	Aventail LLC
10/858295	7287186	SHARED NOTHING VIRTUAL CLUSTER	Dell Products L.P.
11/774267	7961959	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P. <sup>1</sup>
11/774272	7961960	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774278	7881544	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774297	7936932	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774310	7970216	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774319	7974478	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
11/774333	7885988	METHODS AND APPARATUS FOR REDUCING STORAGE SIZE	Dell Products L.P.
12/038219	8224831	VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION	Dell Products L.P.
12/038223	8219534	MULTIPLE FILE COMPACTION FOR NETWORK ATTACHED STORAGE	Dell Products L.P.
12/573690	8386443	REPRESENTING AND STORING AN OPTIMIZED FILE SYSTEM USING A SYSTEM OF SYMLINKS, HARDLINKS AND FILE ARCHIVES	Dell Products L.P.
12/574580	8862559	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	Dell Products L.P.
12/574990	8694466	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	Dell Products L.P.
12/624354	8423520	METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION	Dell Products L.P.
12/954348	8965852	METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION	Dell Products L.P.
13/041282	8849773	METHODS AND APPARATUS FOR ACTIVE OPTIMIZATION OF DATA	Dell Products L.P.
13/081335	9323778	VIRTUAL DISK UTILITY	Dell Products L.P.
13/158289		DATA BLOCK MIGRATION	Dell Products L.P.
13/158292	9201890	STORAGE OPTIMIZATION MANAGER	Dell Products L.P.
13/182145		MINI APPLIANCE	Dell Products L.P.

<sup>1</sup> Dell Inc. to file assignment from Ocarina Networks, Inc.

Application Number	Registration Number	Title	Owner
13/182230	9,396,311	MINI APPLIANCE ENSURING SOFTWARE LICENSE COMPLIANCE	Dell Products L.P.
13/243965		MAINTAINING DEDUPLICATION DATA IN NATIVE FILE FORMATS	Dell Products L.P.
13/243985		APPLICATION TRANSPARENT DEDUPLICATION DATA	Dell Products L.P.
13/306878		RESYNCHRONIZATION OF REPLICATED DATA	Dell Products L.P.
13/343924		HOME HUB	Dell Products L.P.
13/415324	9256609	FIXED SIZE EXTENTS FOR VARIABLE SIZE DEDUPLICATION SEGMENTS	Dell Products L.P.
13/491679	8655898	VIRTUALIZATION OF METADATA FOR FILE OPTIMIZATION	Dell Products L.P.
13/555534		GARBAGE COLLECTION AWARE DEDUPLICATION	Dell Products L.P.
13/560762	9210044	AUTOMATED REMEDIATION WITH AN APPLIANCE	Dell Products L.P.
13/664658		SYSTEM AND METHOD FOR OPTIMIZED DISTRIBUTED STORAGE SYSTEM	Dell Products L.P.
13/739731		SYSTEM AND METHOD FOR MANIPULATING USER-INTERFACE DISPLAY ITEMS FOR WEB WIDGETS	Dell Products L.P.
13/743191		DEPLOYMENT AND MANAGEMENT OF VIRTUAL CONTAINERS	Dell Products L.P.
13/748743		EFFICIENT REPLICA CLEANUP DURING RESYNCHRONIZATION	Dell Products L.P.
13/784575	9250819	LEARNING MACHINE TO OPTIMIZE RANDOM ACCESS IN A STORAGE SYSTEM	Dell Products L.P.
13/786759		STORAGE SYSTEM DEDUPLICATION WITH SERVICE LEVEL AGREEMENTS	Dell Products L.P.
13/786781		HANDLING RESTORES IN AN INCREMENTAL BACKUP STORAGE SYSTEM	Dell Products L.P.
13/862911		METHODS AND APPARATUS FOR EFFICIENT COMPRESSION AND DEDUPLICATION	Dell Products L.P.
13/936344	9201800	RESTORING TEMPORAL LOCALITY IN GLOBAL AND LOCAL DEDUPLICATION STORAGE SYSTEMS	Dell Products L.P.
13/937150		FILE AWARE BLOCK LEVEL DEDUPLICATION	Dell Products L.P.
13/952062		TRANSFERRING DIFFERENCES BETWEEN CHUNKS FOR DATA REDUCTION DURING REPLICATION OVER LOW-BANDWIDTH LINKS	Dell Products L.P.
14/010495	8892528	ACCELERATED DEDUPLICATION	Dell Products L.P.
14/154961		SYNCHRONIZED STORAGE SYSTEM OPERATION	Dell Products L.P.
14/245084	9251161	OBJECT DEDUPLICATION AND APPLICATION AWARE SNAPSHOTS	Dell Products L.P.
14/311485		INTELLIGENT DEDUPLICATION DATA PREFETCHING	Dell Products L.P.
14/327006		ENGINE FOR VIRTUAL MACHINE RESOURCES	Dell Products L.P.
14/453121		ACCELERATING TRANSFER PROTOCOLS	Dell Products L.P.
14/453150		POLICY USE IN A DATA MOVER EMPLOYING DIFFERENT CHANNEL	Dell Products L.P.
14/453158		CLIENT-SIDE DEDUPLICATION WITH LOCAL CHUNK CACHING	Dell Products L.P.
14/453165		CHUNK COMPRESSION IN A	Dell Products L.P.

Application Number	Registration Number	Title	Owner
		DEDUPLICATION AWARE CLIENT ENVIRONMENT	
14/453173		TECHNIQUE SELECTION IN A DEDUPLICATION AWARE CLIENT ENVIRONMENT	Dell Products L.P.
14/498597	9311322	HEAT INDICES FOR FILE SYSTEMS AND BLOCK STORAGE	Dell Products L.P.
14/507731	9262432	SCALABLE MECHANISM FOR DETECTION OF COMMONALITY IN A DEDUPLICATED DATA SET	Dell Products L.P.
14/518063		ACCELERATED DEDUPLICATION	Dell Products L.P.
14/521035		FAST UPDATE OF DATA PACKET CHECKSUMS	Dell Products L.P.
14/596186		METHODS AND APPARATUS FOR NETWORK EFFICIENT DEDUPLICATION	Dell Products L.P.
14/806072		PROBABILITY BASED WHITELIST	Dell Products L.P.
14/850096		METHOD OF INTERACTION WITH VIRTUAL PERIPHERY	Dell Products L.P.
14/884583		DYNAMIC ADJUSTMENT OF INSTRUMENTATION SCOPE	Dell Products L.P.
15/075526		VIRTUAL DISK UTILITY	Dell Products L.P.
09/361678	7158986	METHOD AND SYSTEM PROVIDING USER WITH PERSONALIZED RECOMMENDATIONS BY ELECTRONIC-MAIL BASED UPON THE DETERMINED INTERESTS OF THE USER PERTAIN TO THE THEME AND CONCEPTS OF THE CATEGORIZED DOCUMENT	Dell Software Inc.
09/489759	6871221	METHOD AND APPARATUS TO MANAGE NETWORK CLIENT LOGON SCRIPTS USING A GRAPHICAL MANAGEMENT AND ADMINISTRATION TOOL	Dell Software Inc.
09/712890	6834290	SYSTEM AND METHOD FOR DEVELOPING A COST-EFFECTIVE REORGANIZATION PLAN FOR DATA REORGANIZATION	Dell Software Inc.
09/713479	7805423	SYSTEM AND METHOD FOR QUIESCING SELECT DATA MODIFICATION OPERATIONS AGAINST AN OBJECT OF A DATABASE DURING ONE OR MORE STRUCTURAL OPERATIONS	Dell Software Inc.
09/720277	7272625	GENERALIZED POLICY SERVER	Dell Software Inc.
09/723855	6845374	SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	Dell Software Inc.
09/782586	7065538	SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE	Dell Software Inc.
09/835054	7010807	SYSTEM AND METHOD FOR NETWORK VIRUS PROTECTION	Dell Software Inc.
09/850877	6928471	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
09/853371	6944798	GRACEFUL DEGRADATION SYSTEM	Dell Software Inc.
10/019101	7580919	QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
10/105575		METHOD AND APPARATUS FOR CENTRALIZED POLICY PROGRAMMING AND DISTRIBUTIVE POLICY ENFORCEMENT	Dell Software Inc.
10/167229	7657616	AUTOMATIC DISCOVERY OF USERS ASSOCIATED WITH SCREEN NAMES	Dell Software Inc.

Application Number	Registration Number	Title	Owner
10/197393	8924484	ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
10/331806	7412539	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
10/371977	7299261	MESSAGE CLASSIFICATION USING A SUMMARY	Dell Software Inc.
10/371987	8266215	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
10/387352	8396926	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
10/422359	7539726	MESSAGE TESTING	Dell Software Inc.
10/459111	7818565	SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES	Dell Software Inc.
10/459408	7707401	SYSTEMS AND METHODS FOR A PROTOCOL GATEWAY	Dell Software Inc.
10/459421	7664822	SYSTEMS AND METHODS FOR AUTHENTICATION OF TARGET PROTOCOL SCREEN NAMES	Dell Software Inc.
10/459725	7428590	SYSTEMS AND METHODS FOR REFLECTING MESSAGES ASSOCIATED WITH A TARGET PROTOCOL WITHIN A NETWORK	Dell Software Inc.
10/616703	7406502	METHOD AND SYSTEM FOR CLASSIFYING A MESSAGE BASED ON CANONICAL EQUIVALENT OF ACCEPTABLE ITEMS INCLUDED IN THE MESSAGE	Dell Software Inc.
10/661412	7231391	LOOSELY COUPLED DATABASE CLUSTERS WITH CLIENT CONNECTION FAIL-OVER	Dell Software Inc.
10/697846	7310815	METHOD AND APPARATUS FOR DATASTREAM ANALYSIS AND BLOCKING	Dell Software Inc.
10/700615	7469278	VALIDATION OF PORTABLE COMPUTER TYPE PRIOR TO CONFIGURATION OF A LOCAL RUN-TIME ENVIRONMENT	Dell Software Inc.
10/700616	7293087	EVENT-BASED APPLICATION FOR PERFORMING CONFIGURATION CHANGES IN A NETWORKED ENVIRONMENT	Dell Software Inc.
10/700617	7353262	VALIDATION OF CONFIGURATION SETTINGS PRIOR TO CONFIGURATION OF LOCAL RUN-TIME ENVIRONMENT	Dell Software Inc.
10/776677	8856239	MESSAGE CLASSIFICATION BASED ON LIKELIHOOD OF SPOOFING	Dell Software Inc.
10/830410	7546348	MESSAGE HANDLING WITH SELECTIVE USER PARTICIPATION	Dell Software Inc.
10/841398	7096392	METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
10/842286	7565661	METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES	Dell Software Inc.
10/846609	7913043	METHOD FOR BACKUP STORAGE DEVICE SELECTION	Dell Software Inc.
10/853447	7769766	METHOD AND AN APPARATUS TO STORE CONTENT RATING INFORMATION	Dell Software Inc.
10/853557	8015169	METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	Dell Software Inc.
10/862971	7680834	METHOD AND SYSTEM FOR NO DOWNTIME RESYNCHRONIZATION FOR REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.

Application Number	Registration Number	Title	Owner
10/863117	7519870	METHOD AND SYSTEM FOR NO DOWNTIME, INITIAL DATA UPLOAD FOR REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
10/888845	7617501	APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM	Dell Software Inc.
10/942292	8150875	METHOD AND AN APPARATUS TO STORE INFORMATION REGARDING WEB PAGES	Dell Software Inc.
10/943541	7979404	EXTRACTING DATA CHANGES AND STORING DATA HISTORY TO ALLOW FOR INSTANTANEOUS ACCESS TO AND RECONSTRUCTION OF ANY POINT-IN-TIME DATA	Dell Software Inc.
10/950355	7769004	NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER	Dell Software Inc.
10/964871	7600257	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
10/980375	7570765	METHOD AND AN APPARATUS TO PERFORM SECURE REAL-TIME TRANSPORT PROTOCOL-ON-THE-FLY	Dell Software Inc.
10/980875	7836014	HYBRID REAL-TIME DATA REPLICATION	Dell Software Inc.
11/003920	8645389	SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	Dell Software Inc.
11/036603	8886727	MESSAGE DISTRIBUTION CONTROL	Dell Software Inc.
11/051321	7823196	METHOD AND AN APPARATUS TO PERFORM DYNAMIC SECURE RE-ROUTING OF DATA FLOWS FOR PUBLIC SERVICES	Dell Software Inc.
11/053770	7643484	NETWORK ABSTRACTION AND ISOLATION LAYER RULES-BASED FEDERATION AND MASQUERADING	Dell Software Inc.
11/056525	7480264	CENTRALIZED WIRELESS LAN LOAD BALANCING	Dell Software Inc.
11/058828	7996894	MAC ADDRESS MODIFICATION OF OTHERWISE LOCALLY BRIDGED CLIENT DEVICES TO PROVIDE SECURITY	Dell Software Inc.
11/076540	7814260	TAPE IMAGE ON NON-TAPE STORAGE DEVICE	Dell Software Inc.
11/112252	7835361	METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	Dell Software Inc.
11/112505	7739253	LINK-BASED CONTENT RATINGS OF PAGES	Dell Software Inc.
11/118506	8074259	AUTHENTICATION MARK-UP DATA OF MULTIPLE LOCAL AREA NETWORKS	Dell Software Inc.
11/123994	8108429	SYSTEM FOR MOVING REAL-TIME DATA EVENTS ACROSS A PLURALITY OF DEVICES IN A NETWORK FOR SIMULTANEOUS DATA PROTECTION, REPLICATION, AND ACCESS SERVICES	Dell Software Inc.
11/152351	7979650	DISCOVERING DATA STORAGE FOR BACKUP	Dell Software Inc.
11/156372	9154511	TIME ZERO DETECTION OF INFECTIOUS MESSAGES	Dell Software Inc.
11/156373	7343624	MANAGING INFECTIOUS MESSAGES AS IDENTIFIED BY AN ATTACHMENT	Dell Software Inc.
11/185168	7689602	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
11/185313	7788521	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME,	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		CONTINUOUS DATA PROTECTION	
11/190382	7984495	METHOD AND AN APPARATUS TO IDENTIFY SECURITY ASSOCIATION OF VIRTUAL PRIVATE NETWORK TUNNELS	Dell Software Inc.
11/198019	7565336	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
11/198061	7681104	METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
11/198062	7681105	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
11/198912	7539655	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
11/217513	7185237	SYSTEMS AND METHODS FOR PROVIDING FOR DEGRADATION OF A COMPUTER APPLICATION	Dell Software Inc.
11/236280	9275047	METHOD AND APPARATUS FOR MULTIMEDIA CONTENT FILTERING	Dell Software Inc.
11/264110	7904913	MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
11/294739	7774832	SYSTEMS AND METHODS FOR IMPLEMENTING PROTOCOL ENFORCEMENT RULES	Dell Software Inc.
11/300097	7760640	ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE	Dell Software Inc.
11/311215	7904949	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	Dell Software Inc.
11/352693	8087075	DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS	Dell Software Inc.
11/370722	7509520	NETWORK INTERFACE DEVICE HAVING BYPASS CAPABILITY	Dell Software Inc.
11/419958	7870354	DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES	Dell Software Inc.
11/424874	8429712	CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD	Dell Software Inc.
11/439073	7461103	SYSTEM AND METHOD FOR RECONCILING TRANSACTIONS BETWEEN A REPLICATION SYSTEM AND A RECOVERED DATABASE	Dell Software Inc.
11/455037	8271603	DIMINISHING FALSE POSITIVE CLASSIFICATIONS OF UNSOLICITED ELECTRONIC-MAIL	Dell Software Inc.
11/457228	7814460	HIERARCHICAL MODULAR SOFTWARE PACKAGES AND ASSOCIATED DEVELOPMENT TOOL	Dell Software Inc.
11/471313	7512682	DATABASE CLUSTER SYSTEMS AND METHODS FOR MAINTAINING CLIENT CONNECTIONS	Dell Software Inc.
11/507257	7363549	METHOD AND SYSTEM FOR AUTOMATED, NO DOWNTIME, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
11/535317	7818801	FILE SYSTEM EVENT TRACKING	Dell Software Inc.
11/556470	7756981	SYSTEMS AND METHODS FOR REMOTE	Dell Software Inc.

Application Number	Registration Number	Title	Owner
		ROGUE PROTOCOL ENFORCEMENT	
11/589007	9069845	PERSONALIZED ELECTRONIC-MAIL DELIVERY	Dell Software Inc.
11/619396	7801975	MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT	Dell Software Inc.
11/690254	8078728	CAPACITY POOLING FOR APPLICATION RESERVATION AND DELIVERY	Dell Software Inc.
11/738952		FEDERATED AUTHORIZATION FOR DISTRIBUTED COMPUTING	Dell Software Inc.
11/749559	7979245	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING COMPUTING RESOURCE PERFORMANCE	Dell Software Inc.
11/754891	7606839	SYSTEMS AND METHODS FOR PROVIDING CLIENT CONNECTION FAIL-OVER	Dell Software Inc.
11/772723	7738380	REASSEMBLY-FREE REWRITING OF OUT-OF-ORDER DATA PAYLOAD	Dell Software Inc.
11/778546	7991723	DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATION	Dell Software Inc.
11/823108	7783510	COMPUTER STORAGE CAPACITY FORECASTING SYSTEM USING CLUSTER-BASED SEASONALITY ANALYSIS	Dell Software Inc.
11/823111	7788127	FORECAST MODEL QUALITY INDEX FOR COMPUTER STORAGE CAPACITY PLANNING	Dell Software Inc.
11/837779	8863286	NOTIFICATION FOR REASSEMBLY-FREE FILE SCANNING	Dell Software Inc.
11/850561	8601539	SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS	Dell Software Inc.
11/869575	7882265	SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK	Dell Software Inc.
11/881530	7792850	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
11/881556	8086441	EFFICIENT STRING SEARCH	Dell Software Inc.
11/881770	7792846	TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	Dell Software Inc.
11/895519	8955106	MANAGING INFECTIOUS FORWARDED MESSAGES	Dell Software Inc.
11/897626	7821926	GENERALIZED POLICY SERVER	Dell Software Inc.
11/903413	8112486	SIGNATURE GENERATION USING MESSAGE SUMMARIES	Dell Software Inc.
11/926512	7895332	IDENTITY MIGRATION SYSTEM APPARATUS AND METHOD	Dell Software Inc.
11/926819	7882189	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
11/927214	7912856	ADAPTIVE ENCRYPTION	Dell Software Inc.
11/927414	8990312	ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
11/927424	8122508	ANALYZING TRAFFIC PATTERNS TO DETECT INFECTIOUS MESSAGES	Dell Software Inc.
11/927438	8850566	TIME ZERO DETECTION OF INFECTIOUS MESSAGES	Dell Software Inc.
11/927450	9245013	MESSAGE RECOMMENDATION USING WORD ISOLATION AND CLUSTERING	Dell Software Inc.
11/927458		APPROXIMATE MATCHING OF STRINGS FOR MESSAGE FILTERING	Dell Software Inc.
11/927466	8713110	IDENTIFICATION OF PROTECTED CONTENT IN E-MAIL MESSAGES	Dell Software Inc.

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11/927477	8612560	MESSAGE CLASSIFICATION USING DOMAIN NAME AND IP ADDRESS EXTRACTION	Dell Software Inc.
11/927493	7814545	MESSAGE CLASSIFICATION USING CLASSIFIERS	Dell Software Inc.
11/927497	7562122	MESSAGE CLASSIFICATION USING ALLOWED ITEMS	Dell Software Inc.
11/927514	7925707	DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
11/927516	7921204	MESSAGE TESTING BASED ON A DETERMINATE MESSAGE CLASSIFICATION AND MINIMIZED RESOURCE CONSUMPTION	Dell Software Inc.
11/927523	7908330	MESSAGE AUDITING	Dell Software Inc.
11/928887	8086710	IDENTITY MIGRATION APPARATUS AND METHOD	Dell Software Inc.
11/934610	7979494	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	Dell Software Inc.
11/947695	8127316	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	Dell Software Inc.
11/951008	8234253	SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA	Dell Software Inc.
12/023920	8001074	FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR	Dell Software Inc.
12/036167		LAZY EVALUATION OF BULK FORECASTS	Dell Software Inc.
12/059505	8131723	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	Dell Software Inc.
12/070164	9100335	PROCESSING A MESSAGE BASED ON A BOUNDARY IP ADDRESS AND DECAY VARIABLE	Dell Software Inc.
12/099837	8364648	RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY	Dell Software Inc.
12/143210	7752336	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
12/182364	8046550	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	Dell Software Inc.
12/238205	8813221	REASSEMBLY-FREE DEEP PACKET INSPECTION ON MULTI-CORE HARDWARE	Dell Software Inc.
12/240784	8191134	LOCKLESS DISTRIBUTED IPSEC PROCESSING	Dell Software Inc.
12/240892	7990974	PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
12/333132	9071993	CENTRALIZED WIRELESS LAN LOAD BALANCING	Dell Software Inc.
12/339053	8194674	SYSTEM AND METHOD FOR AGGREGATING COMMUNICATIONS AND FOR TRANSLATING BETWEEN OVERLAPPING INTERNAL NETWORK ADDRESSES AND UNIQUE EXTERNAL NETWORK ADDRESSES	Dell Software Inc.
12/370399	8175863	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	Dell Software Inc.
12/395524	8903983	METHOD, SYSTEM AND APPARATUS FOR MANAGING, MODELING, PREDICTING, ALLOCATING AND UTILIZING RESOURCES AND BOTTLENECKS IN A COMPUTER NETWORK	Dell Software Inc.
12/400559	8935701	UNIFIED MANAGEMENT PLATFORM IN A	Dell Software Inc.



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		COMPUTER NETWORK	
12/474688	8015454	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	Dell Software Inc.
12/475729	8108476	HIGH PERFORMANCE ELECTRONIC MESSAGE DELIVERY ENGINE	Dell Software Inc.
12/488657	8060889	METHOD AND SYSTEM FOR REAL-TIME EVENT JOURNALING TO PROVIDE ENTERPRISE DATA SERVICES	Dell Software Inc.
12/497328		PROXY-LESS SECURE SOCKETS LAYER (SSL) DATA INSPECTION	Dell Software Inc.
12/500109	7941385	METHOD AND APPARATUS FOR MEASUREMENT, ANALYSIS, AND OPTIMIZATION OF CONTENT DELIVERY	Dell Software Inc.
12/502035	8135930	REPLICATION SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
12/502052	8060476	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
12/502189	8108477	MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	Dell Software Inc.
12/509955	8276202	CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
12/537831		OPTIMIZED COPY OF VIRTUAL MACHINE STORAGE FILES	Dell Software Inc.
12/547860	8321939	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
12/559156	8311985	REMOTE BACKUP AND RESTORE SYSTEM AND METHOD	Dell Software Inc.
12/566231	8429649	SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
12/567069	8452731	REMOTE BACKUP AND RESTORE	Dell Software Inc.
12/571250	8676759	CONTINUOUS DATA BACKUP USING REAL TIME DELTA STORAGE	Dell Software Inc.
12/575342	8171201	SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE	Dell Software Inc.
12/605193		INSTRUMENTATION OF PROGRAM CODE FOR DYNAMIC ANALYSIS	Dell Software Inc.
12/612569	8245242	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
12/651299	8718318	FINGERPRINT DEVELOPMENT IN IMAGE BASED SPAM BLOCKING	Dell Software Inc.
12/651327	8578484	IDENTIFICATION OF CONTENT	Dell Software Inc.
12/661470	8522347	REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	Dell Software Inc.
12/691616	7979441	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
12/695385	8086937	METHOD FOR ERASURE CODING DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
12/695407	8051361	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
12/715335	8693782	IMAGE BASED SPAM BLOCKING	Dell Software Inc.
12/715337	8578485	IDENTIFICATION OF CONTENT BY METADATA	Dell Software Inc.

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12/724363	8189608	WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.
12/725191	8260750	INTELLIGENT BACKUP ESCALATION SYSTEM	Dell Software Inc.
12/762162	8996468	BLOCK STATUS MAPPING SYSTEM FOR REDUCING VIRTUAL MACHINE BACKUP STORAGE	Dell Software Inc.
12/770354	7912929	MANAGING CLIENT CONFIGURATION SETTINGS IN A NETWORK ENVIRONMENT	Dell Software Inc.
12/785364	8429301	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
12/816460	8687490	ELECTRONIC MESSAGE DELIVERY SYSTEM INCLUDING A NETWORK DEVICE	Dell Software Inc.
12/822439	7917522	TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	Dell Software Inc.
12/838009	8331391	NETWORK ABSTRACTION AND ISOLATION LAYER FOR MASQUERADING MACHINE IDENTITY OF A COMPUTER	Dell Software Inc.
12/844297	8086782	TAPE IMAGE ON NON-TAPE STORAGE DEVICE	Dell Software Inc.
12/845215	8151140	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY FOR REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
12/846102	7996415	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
12/850587	8136143	GENERALIZED POLICY SERVER	Dell Software Inc.
12/869138	7970748	SYSTEMS AND METHODS FOR REORGANIZING A DATABASE OBJECT	Dell Software Inc.
12/878609	8332942	FILE SYSTEM EVENT TRACKING	Dell Software Inc.
12/901824	8195628	METHOD AND SYSTEM FOR DATA REDUCTION	Dell Software Inc.
12/901888	8544023	MANAGEMENT INTERFACE FOR A SYSTEM THAT PROVIDES AUTOMATED, REAL-TIME, CONTINUOUS DATA PROTECTION	Dell Software Inc.
12/902930		BOOT RESTORE SYSTEM FOR RAPIDLY RESTORING VIRTUAL MACHINE BACKUPS	Dell Software Inc.
12/906653	8229962	LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS	Dell Software Inc.
12/913668	8272057	METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	Dell Software Inc.
12/914767		SYSTEMS AND METHODS FOR CONTROLLING ACCESS TO COMPUTER APPLICATIONS OR DATA	Dell Software Inc.
12/939637	8499001	SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA	Dell Software Inc.
12/959913	8438352	DATA REPLICATION FROM ONE-TO-ONE OR ONE-TO-MANY HETEROGENEOUS DEVICES	Dell Software Inc.
13/015526	8484301	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
13/016899	8195833	SYSTEMS AND METHODS FOR MANAGING MESSAGES IN AN ENTERPRISE NETWORK	Dell Software Inc.
13/022858	8171247	METHOD FOR BACKUP STORAGE DEVICE SELECTION	Dell Software Inc.
13/053196	8914410	QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
13/080638	8296382	EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	Dell Software Inc.
13/085421	8285804	DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.

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13/092051	8639827	SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES	Dell Software Inc.
13/098298		SYSTEM FOR PROVIDING STRUCTURED QUERY LANGUAGE ACCESS TO NON-RELATIONAL DATA STORES	Dell Software Inc.
13/101863	8453145	SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/155819	8671447	NET-BASED EMAIL FILTERING	Dell Software Inc.
13/156199		CATALOGING SYSTEM FOR IMAGE-BASED BACKUP	Dell Software Inc.
13/158204	9047574	STORAGE CAPACITY PLANNING	Dell Software Inc.
13/179356	8185598	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	Dell Software Inc.
13/179405	8175862	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES	Dell Software Inc.
13/179813	8145864	DISCOVERING DATA STORAGE FOR BACKUP	Dell Software Inc.
13/179904	8200706	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
13/196454	8594131	PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
13/196480	8370374	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
13/196484	8626689	DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATION	Dell Software Inc.
13/209018	8332346	FUZZY-LEARNING-BASED EXTRACTION OF TIME-SERIES BEHAVIOR	Dell Software Inc.
13/210324	8910279	REPUTATION BASED THREAT PROTECTION	Dell Software Inc.
13/218362	8898114	MULTITIER DEDUPLICATION SYSTEMS AND METHODS	Dell Software Inc.
13/225258	8347148	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	Dell Software Inc.
13/226376	9015199	METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	Dell Software Inc.
13/228351	9141442	AUTOMATED CONNECTOR CREATION FOR PROVISIONING SYSTEMS	Dell Software Inc.
13/235254	8527543	SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING	Dell Software Inc.
13/241004	8205139	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.
13/242916	8352523	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	Dell Software Inc.
13/244167	8166265	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/244187	8375003	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
13/316134	9119109	METHOD AND APPARATUS TO PERFORM MULTI-CONNECTION TRAFFIC ANALYSIS AND MANAGEMENT	Dell Software Inc.

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13/333650	8584218	DISCONNECTED CREDENTIAL VALIDATION USING PRE-FETCHED SERVICE TICKETS	Dell Software Inc.
13/335743	8577669	EFFICIENT STRING SEARCH	Dell Software Inc.
13/340509	8776210	STATISTICAL MESSAGE CLASSIFIER	Dell Software Inc.
13/360971	8688794	SIGNATURE GENERATION USING MESSAGE SUMMARIES	Dell Software Inc.
13/361659	8463861	MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	Dell Software Inc.
13/364214	8935311	GENERALIZED POLICY SERVER	Dell Software Inc.
13/366166	8738972	SYSTEMS AND METHODS FOR REAL-TIME MONITORING OF VIRTUALIZED ENVIRONMENTS	Dell Software Inc.
13/368240	9311375	SYSTEMS AND METHODS FOR COMPACTING A VIRTUAL MACHINE FILE	Dell Software Inc.
13/406305	8650578	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	Dell Software Inc.
13/416283	8312093	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	Dell Software Inc.
13/425166	8271755	DISCOVERING DATA STORAGE FOR BACKUP	Dell Software Inc.
13/436624	8375248	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	Dell Software Inc.
13/445130	8255654	METHOD FOR BACKUP STORAGE DEVICE SELECTION	Dell Software Inc.
13/448010	8335902	SYSTEMS AND METHODS FOR PERFORMING BACKUP OPERATIONS OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/448220	8332571	SYSTEMS AND METHODS FOR IMPROVING VIRTUAL MACHINE PERFORMANCE	Dell Software Inc.
13/451274	9215142	COMMUNITY ANALYSIS OF COMPUTING PERFORMANCE	Dell Software Inc.
13/455583	8266231	SYSTEMS AND METHODS FOR MONITORING MESSAGING SYSTEMS	Dell Software Inc.
13/460774		PERSONALIZED ELECTRONIC-MAIL DELIVERY	Dell Software Inc.
13/464042	8364460	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	Dell Software Inc.
13/465708	8892415	MODEL-BASED SYSTEMS AND METHODS FOR MONITORING RESOURCES	Dell Software Inc.
13/474339		SYSTEMS AND METHODS FOR RESERVING CAPACITY FOR FUTURE VIRTUAL MACHINE DEPLOYMENTS	Dell Software Inc.
13/478003	8594109	WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.
13/486989	8650167	METHOD AND SYSTEM FOR DATA REDUCTION	Dell Software Inc.
13/489276		METHOD, SYSTEM AND APPARATUS FOR CALCULATING CHARGEBACK FOR VIRTUALIZED COMPUTING RESOURCES	Dell Software Inc.
13/489751	8429198	METHOD OF CREATING HIERARCHICAL INDICES FOR A DISTRIBUTED OBJECT SYSTEM	Dell Software Inc.
13/491484	8578489	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
13/492330	9122627	METHOD FOR LOCK-FREE CLUSTERED ERASURE CODING AND RECOVERY OF DATA ACROSS A PLURALITY OF DATA STORES IN A NETWORK	Dell Software Inc.

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13/534435	8365017	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	Dell Software Inc.
13/535031	8688644	SYSTEMS AND METHODS FOR PERFORMING RECOVERY OF DIRECTORY DATA	Dell Software Inc.
13/546194	8700667	LOCATION-AWARE TASK MANAGEMENT SYSTEMS AND METHODS	Dell Software Inc.
13/563490	8533744	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
13/587748	8584238	METHOD AND APPARATUS FOR IDENTIFYING DATA PATTERNS IN A FILE	Dell Software Inc.
13/594431		SYSTEMS AND METHODS FOR PERFORMANCE INDEXING	Dell Software Inc.
13/626777	8769678	CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
13/648259	8977696	DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
13/658709		SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS	Dell Software Inc.
13/658724		SYSTEM FOR INFERRING DEPENDENCIES AMONG COMPUTING SYSTEMS	Dell Software Inc.
13/658732	8838654	DATA MODELING SYSTEM FOR RUNTIME SCHEMA EXTENSIBILITY	Dell Software Inc.
13/658747		DATA MODELING SYSTEM FOR ENABLING RUNTIME SCHEMA EXTENSIBILITY	Dell Software Inc.
13/658777	9215198	EFFICIENT USE OF RESOURCES IN MESSAGE CLASSIFICATION	Dell Software Inc.
13/670282	8640232	FILE SYSTEM EVENT TRACKING	Dell Software Inc.
13/686700	8966045	IDENTITY MIGRATION APPARATUS AND METHOD	Dell Software Inc.
13/713424	9098624	DEEP TYPE PARSING	Dell Software Inc.
13/714829	8972347	RECOVERING A FILE SYSTEM TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED STRUCTURE, CONTENT CONSISTENCY AND INTEGRITY	Dell Software Inc.
13/721588	8639974	METHOD AND SYSTEM FOR VIRTUAL ON-DEMAND RECOVERY	Dell Software Inc.
13/721769	9122718	DYNAMIC DIRECTORY CONTROL EXECUTION	Dell Software Inc.
13/721811	9165027	DYNAMIC DIRECTORY CONTROL REGISTRATION	Dell Software Inc.
13/725008	8887009	COMPUTER SYSTEMS AND METHODS FOR PREDICTIVE PERFORMANCE MANAGEMENT OF DATA TRANSACTIONS	Dell Software Inc.
13/745677	9275172	SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF VIRTUAL ENVIRONMENTS	Dell Software Inc.
13/752020	8712970	RECOVERING A DATABASE TO ANY POINT-IN-TIME IN THE PAST WITH GUARANTEED DATA CONSISTENCY	Dell Software Inc.
13/760024	8892587	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
13/764011	9311318	BACKUP SYSTEMS AND METHODS FOR A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
13/787693	8732256	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
13/789529	RE45327	APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	Dell Software Inc.
13/804064		SYSTEM AND METHOD FOR ENFORCING ACCESS CONTROLS TO PUBLICLY-	Dell Software Inc.

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		ACCESSIBLE WEB APPLICATIONS	
13/804476		SYSTEM AND METHOD FOR INTERACTIVE TUTORIALS	Dell Software Inc.
13/826733	9338255	SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACKEND-PERFORMANCE DATA	Dell Software Inc.
13/836840	9,372,942	SYSTEM AND METHOD FOR FACILITATING DATA VISUALIZATION VIA A MAP-REDUCE FRAMEWORK	Dell Software Inc.
13/837740	8966503	SYSTEM AND METHOD FOR CORRELATING ANOMALOUS EVENTS	Dell Software Inc.
13/850002	9094365	METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
13/850164	8856790	SYSTEMS AND METHODS FOR DATA MANAGEMENT IN A VIRTUAL COMPUTING ENVIRONMENT	Dell Software Inc.
13/853946		TRAINING PROCEDURE FOR N-GRAM-BASED STATISTICAL CONTENT CLASSIFICATION	Dell Software Inc.
13/864866	8978098	CENTRALIZED USER AUTHENTICATION SYSTEM APPARATUS AND METHOD	Dell Software Inc.
13/869071	9405776	REMOTE BACKUP AND RESTORE	Dell Software Inc.
13/869188	9032403	SYSTEMS AND METHODS FOR INSTANT PROVISIONING OF VIRTUAL MACHINE FILES	Dell Software Inc.
13/906241		SYSTEM AND METHOD FOR DATA AGGREGATION AND ANALYSIS	Dell Software Inc.
13/906246		SYSTEM AND METHOD FOR CLASSIFYING DATA	Dell Software Inc.
13/906255	9390240	SYSTEM AND METHOD FOR QUERYING DATA	Dell Software Inc.
13/906262	9164820	SYSTEM AND METHOD FOR CORRECTING SCRAMBLED MESSAGES	Dell Software Inc.
13/912055	9189516	USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
13/913413	8935348	MESSAGE CLASSIFICATION USING LEGITIMATE CONTACT POINTS	Dell Software Inc.
13/934912	9047272	SYSTEMS AND METHODS FOR INDEX SELECTION IN COLLECTIONS OF DATA	Dell Software Inc.
13/935075		SYSTEM AND METHOD FOR INFERRING AND ADAPTING A NETWORK TOPOLOGY	Dell Software Inc.
13/957319		EFFICIENT DFA GENERATION FOR NON-MATCHING CHARACTERS AND CHARACTER CLASSES IN REGULAR EXPRESSIONS	Dell Software Inc.
13/957322		CONSTRUCTION ABORTION OF DFA BASED ON EXPRESSION	Dell Software Inc.
13/967202		QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
13/967205	9276920	TUNNELING USING ENCRYPTION	Dell Software Inc.
13/967207	9154489	QUERY INTERFACE TO POLICY SERVER	Dell Software Inc.
13/967208	9331992	ACCESS CONTROL	Dell Software Inc.
13/967210	9077671	REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	Dell Software Inc.
13/973859	8775164	EFFICIENT STRING SEARCH	Dell Software Inc.
14/010314	8898136	SYSTEM FOR CATEGORIZING DATABASE STATEMENTS FOR PERFORMANCE TUNING	Dell Software Inc.
14/014637		DATA METRIC RESOLUTION RANKING SYSTEM AND METHOD	Dell Software Inc.
14/014707	9245248	DATA METRIC RESOLUTION PREDICTION SYSTEM AND METHOD	Dell Software Inc.

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14/021852	8713583	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
14/034314	9077674	IDENTIFICATION OF CONTENT	Dell Software Inc.
14/047162	9317574	SYSTEM AND METHOD FOR MANAGING AND IDENTIFYING SUBJECT MATTER EXPERTS	Dell Software Inc.
14/064597	9065848	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/071146	9100427	METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/071192	8918870	IDENTIFICATION OF CONTENT BY METADATA	Dell Software Inc.
14/073822	9183272	SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES	Dell Software Inc.
14/073823	9288060	SYSTEM AND METHOD FOR DECENTRALIZED AUTHENTICATION OF SUPPLICANT DEVICES	Dell Software Inc.
14/079308	9098330	PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
14/082397	8938781	SYSTEMS AND METHODS FOR MANAGING USER PERMISSIONS	Dell Software Inc.
14/089427		SYSTEM AND METHOD FOR DATA LOSS PREVENTION ACROSS HETEROGENEOUS COMMUNICATIONS PLATFORMS	Dell Software Inc.
14/089593	8908706	WIRELESS EXTENDER SECURE DISCOVERY AND PROVISIONING	Dell Software Inc.
14/096866		DATA PATTERN ANALYSIS USING OPTIMIZED DETERMINISTIC FINITE AUTOMATON	Dell Software Inc.
14/149658	9202043	SELF-SERVICE SYSTEMS AND METHODS FOR GRANTING ACCESS TO RESOURCES	Dell Software Inc.
14/150537	9294461	VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION	Dell Software Inc.
14/152812	9325649	SIGNATURE GENERATION USING MESSAGE SUMMARIES	Dell Software Inc.
14/153218		SYSTEM AND METHOD FOR PROACTIVE SCALING	Dell Software Inc.
14/153607	9195823	SYSTEM AND METHOD FOR INTERCEPTING PROCESS CREATION EVENTS	Dell Software Inc.
14/159593		SYSTEM AND METHOD FOR DYNAMIC DATA COLLECTION	Dell Software Inc.
14/166641	9203785	NET-BASED EMAIL FILTERING	Dell Software Inc.
14/172731	9152704	SYSTEM AND METHOD FOR ADAPTIVE TEXT RECOMMENDATION	Dell Software Inc.
14/177434		IMAGE BASED SPAM BLOCKING	Dell Software Inc.
14/178158		SYSTEM AND METHOD FOR MANAGING A CLUSTERED RADIO NETWORK	Dell Software Inc.
14/178165		SYSTEM AND METHOD FOR COLLECTING DATA FROM LOW-AVAILABILITY DEVICES	Dell Software Inc.
14/191648		SYSTEM AND METHOD FOR CONTENT-INDEPENDENT DETERMINATION OF FILE-SYSTEM-OBJECT RISK OF EXPOSURE	Dell Software Inc.
14/193194		DISCOVERING SITE OWNERS AND ENABLING COLLABORATION BETWEEN THEM IN A SHAREPOINT (OR SIMILAR) CORPORATE NETWORK	Dell Software Inc.
14/214013		CONTINUOUS DATA BACKUP USING REAL TIME DELTA STORAGE	Dell Software Inc.

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14/226598	9021039	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
14/248215		SYSTEM AND METHOD TO STORE SHARED SESSIONS WITH ENCRYPTION	Dell Software Inc.
14/248234		RICH FORM GENERATOR FOR RESTFUL SERVICE	Dell Software Inc.
14/249147		INTUITIVE REPRESENTATION OF END-TO-END PERFORMANCE DIAGNOSTIC MONITORING BASED ON DIFFERENTIAL ANALYSIS	Dell Software Inc.
14/263699	9130847	SYSTEMS AND METHODS FOR MANAGING POLICIES ON A COMPUTER	Dell Software Inc.
14/264889		A METHOD FOR IDENTIFYING GROUPINGS OF USER ACTIVITY USING THE K-MEANS CLUSTERING ALGORITHM APPLIED TO TEMPORAL ACTIVITY DATA	Dell Software Inc.
14/265973		ENTERPRISE MEETING / CONFERENCE RESOURCE ANALYTICS	Dell Software Inc.
14/276984	9237129	A METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)	Dell Software Inc.
14/292135		CORRELATING PERFORMANCE ISSUES AND ERRORS TO FIND CORRELATION ACROSS FACTORS	Dell Software Inc.
14/297944		METHOD FOR VARIABLE SECURITY / POLICY SETTINGS BASED ON USER CONTEXT	Dell Software Inc.
14/298095	9349016	SYSTEM AND METHOD FOR USER-CONTEXT-BASED DATA LOSS PREVENTION	Dell Software Inc.
14/305249		WEB SITE CERTIFICATE BYPASS ANALYSIS AND REPORTING	Dell Software Inc.
14/312645	9,386,046	STATISTICAL MESSAGE CLASSIFIER	Dell Software Inc.
14/318334	9203853	CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
14/319136		IDENTIFICATION OF UNAUTHORIZED APPLICATION DATA IN A CORPORATE NETWORK	Dell Software Inc.
14/319145		APPLICATION SIGNATURE AUTHORIZATION	Dell Software Inc.
14/319166		MOBILE APPLICATION CONTROL	Dell Software Inc.
14/325074		SYSTEM AND METHOD TO INJECT ADDITIONAL PRIVILEGES WITHOUT CHANGING USER IDENTITY TO ENABLE USER WORKSPACE MANAGEMENT	Dell Software Inc.
14/326230		EFFICIENT STRING SEARCH	Dell Software Inc.
14/335205		TRACKING, CLASSIFYING AND REPORTING OF COMMUNICATION AND CONTENT EVENTS TO EMPLOYEES' PERFORMANCE OBJECTIVES AND GOALS	Dell Software Inc.
14/456884		REASSEMBLY-FREE DEEP PACKET INSPECTION ON MULTI-CORE HARDWARE	Dell Software Inc.
14/472026	9325724	TIME ZERO CLASSIFICATION OF MESSAGES	Dell Software Inc.
14/472234	9215241	REPUTATION BASED THREAT PROTECTION	Dell Software Inc.
14/472329		SYSTEMS AND METHODS FOR OPTIMIZING COMPUTER PERFORMANCE	Dell Software Inc.
14/475441		NOTIFICATION FOR REASSEMBLY-FREE FILE SCANNING	Dell Software Inc.
14/491829		MESSAGE DISTRIBUTION CONTROL	Dell Software Inc.
14/530668		WIRELESS EXTENDER SECURE DISCOVERY	Dell Software Inc.



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		AND PROVISIONING	
14/536062		AUTOMATED LARGE ATTACHMENT PROCESSING DURING MIGRATION	Dell Software Inc.
14/541791		METHOD FOR SECURELY DESCRIBING AND NEGOTIATING SECURITY REQUIREMENTS FOR WORKLOADS	Dell Software Inc.
14/543829	9075804	ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
14/556157		TRANSPARENT DEFERRED SPOOLING STORE AND FORWARD BASED ON STANDARD NETWORK SYSTEM AND CLIENT INTERFACE	Dell Software Inc.
14/562453		THIS BINARY PACKING PROTOCOL MINIMIZES BYTES ACROSS THE NETWORK.	Dell Software Inc.
14/562474		COMBINING RESPONSE TIME ANALYTICS, TOPOLOGY, AND MACHINE LEARNING BASED ON DIFFERENTIAL DIAGNOSTICS	Dell Software Inc.
14/562502		TRANSIENT STORAGE OF TRACE DATA IN TIME-BOXED ARCHIVERS TO HANDLE PEAK LOAD	Dell Software Inc.
14/568386		IDENTIFICATION AND RESOLUTION OF DUPLICATE INDEXES IN RELATIONAL DATABASE MANAGEMENT SYSTEMS	Dell Software Inc.
14/578065	9237163	MANAGING INFECTIOUS FORWARDED MESSAGES	Dell Software Inc.
14/581717	9231767	IDENTIFICATION OF CONTENT BY METADATA	Dell Software Inc.
14/587947		SECURE NEIGHBOR DISCOVERY (SEND) USING PRE-SHARED KEY	Dell Software Inc.
14/588181		EMAIL AND IDENTITY MIGRATION BASED ON RELATIONSHIP INFORMATION	Dell Software Inc.
14/589760		MILESTONE BASED DYNAMIC MULTIPLE WATCHDOG TIMEOUTS AND EARLY FAILURE DETECTION	Dell Software Inc.
14/591781		OPTIMIZING TRANSFER OF FRAGMENTED PACKETIZED DATA	Dell Software Inc.
14/603197		SECURE SHELL PUBLIC KEY AUDIT SYSTEM	Dell Software Inc.
14/603208		DYNAMICALLY GENERATED SSID	Dell Software Inc.
14/605229		DYNAMICALLY PARTITIONING A MAILING LIST BASED ON A-PRIORI CATEGORIES AND CONTEXTUAL ANALYSIS	Dell Software Inc.
14/605731		PROXY AUTHENTICATION FOR MULTIPLE CORE NETWORK DEVICE	Dell Software Inc.
14/606451		DYNAMIC BYPASS OF TLS CONNECTIONS MATCHING EXCLUSION LIST IN DPI-SSL IN A NAT DEPLOYMENT	Dell Software Inc.
14/607776	9274758	SYSTEM AND METHOD FOR CREATING CUSTOMIZED PERFORMANCE-MONITORING APPLICATIONS	Dell Software Inc.
14/607907		SYSTEM TO GENERATE DEPENDENCY TOPOLOGY MAP FOR CLOUD INFRASTRUCTURE	Dell Software Inc.
14/610259		LOGICAL LEVEL PREDICTIVE CACHING FOR RELATIONAL DATABASES	Dell Software Inc.
14/613,917		HYBRID APPROACH TO STORAGE OF IT PERFORMANCE DATA IN AND INTEGRATED SOLUTION ENVIRONMENT	Dell Software Inc.
14/619853		SELECTIVE DATA COLLECTION USING A MANAGEMENT SYSTEM	Dell Software Inc.

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14/619897		VISUAL FILTERING OF CODE CALL TREE DATA	Dell Software Inc.
14/628889		DECLASSIFYING OF SUSPICIOUS MESSAGES	Dell Software Inc.
14/629583		FILE AND MOVE DATA TO SHRINK DATAFILES	Dell Software Inc.
14/631826		SYSTEMS AND METHODS FOR EVENT-BASED AUTHENTICATION	Dell Software Inc.
14/633826		VISUAL TRANSFORM AND CLEANSE BASED ITERATIVE QUERY BUILDER	Dell Software Inc.
14/637315		ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
14/638298		METHOD AND AN APPARATUS TO REQUEST WEB PAGES AND CONTENT RATING INFORMATION THEREOF	Dell Software Inc.
14/640706		DISCOVERY OF POTENTIAL PROBLEMATIC EXECUTION PLANS IN A BIND-SENSITIVE SQL STATEMENT	Dell Software Inc.
14/645129		AUTOMATED LARGE FILE PROCESSING WITH EMBEDDED VISUAL CUES	Dell Software Inc.
14/645383		UNIFIED BANDWIDTH MANAGEMENT ON DISTRIBUTED NETWORK ENVIRONMENT	Dell Software Inc.
14/645393		METHOD AND SYSTEM FOR DESTROYING SENSITIVE ENTERPRISE DATA ON PORTABLE DEVICES	Dell Software Inc.
14/657904		CENTRALLY MANAGED LICENSING IN A GLOBAL VPN INFRASTRUCTURE	Dell Software Inc.
14/660697		SYSTEMS AND METHODS OF PATTERNIZING LOGGED USER-INITIATED EVENTS FOR SCHEDULING FUNCTIONS	Dell Software Inc.
14/665292		AUTOMATIC OPTIMIZATION OF CONTINUOUS PROCESSES	Dell Software Inc.
14/665315		FIREWALL MULTI LEVEL SECURITY DYNAMIC HOST BASED SANDBOX GENERATION FOR EMBEDDED URL LINKS	Dell Software Inc.
14/666180		NON RFC COMPLIANT PROTOCOL CLASSIFICATION BASED ON REAL USE	Dell Software Inc.
14/666410		SYSTEMS AND METHODS FOR FACILITATING PORTABLE USER SESSIONS	Dell Software Inc.
14/666918		ADAPTIVE SAMPLING VIA ADAPTIVE OPTIMAL EXPERIMENTAL DESIGNS TO EXTRACT MAXIMUM INFORMATION FROM LARGE DATA REPOSITORIES	Dell Software Inc.
14/672675		HOST SOFTWARE BASED OPTIMIZED INSTANT CLONES	Dell Software Inc.
14/672715		SYSTEM AND METHODS OF SECURING NETWORK-ACCESSIBLE PERIPHERAL DEVICES	Dell Software Inc.
14/672791		METHOD AND SYSTEM TO IMPROVE THE LOOKUP OF ESTIMATES OF INFORMATION USING PATTERN BASED HEURISTICS	Dell Software Inc.
14/674270		SYSTEMS AND METHODS OF AUTOMATIC TRAINING INITIATION BASED ON AN ANALYSIS OF USER-INITIATED COMMUNICATION EVENTS	Dell Software Inc.
14/683416		USAGE AND SYMPTOM ORIENTED SQL OPTIMIZATION	Dell Software Inc.
14/683441		SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	Dell Software Inc.

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14/683453		SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	Dell Software Inc.
14/683462		SYSTEMS AND METHODS OF SECURE SELF-SERVICE ACCESS TO CONTENT	Dell Software Inc.
14/683465		SYSTEMS AND METHODS OF TRACKING CONTENT-EXPOSURE EVENTS	Dell Software Inc.
14/683513		SYSTEMS AND METHODS OF REPORTING CONTENT-EXPOSURE EVENTS	Dell Software Inc.
14/687732		ENHANCED MANAGEMENT OF MIGRATION AND ARCHIVING OPERATIONS	Dell Software Inc.
14/690600		GRAPH THEORY AND NETWORK ANALYTICS AND DIAGNOSTICS FOR PROCESS OPTIMIZATION IN MANUFACTURING	Dell Software Inc.
14/692169		SQL JOIN PLAN REPRESENTATION	Dell Software Inc.
14/694634		DETECTING UNAUTHORIZED, RISKY, OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF REMOTE SHELL PROTOCOL BANDWIDTH	Dell Software Inc.
14/694647		DETECTING SHARED OR COMPROMISED CREDENTIALS THROUGH ANALYSIS OF SIMULTANEOUS ACTIONS	Dell Software Inc.
14/695681		PARTITIONING TARGET DATA TO IMPROVE DATA REPLICATION PERFORMANCE	Dell Software Inc.
14/696839	9313158	MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
14/700444		ACCESS TO DISPARATE CLOUD SERVICES	Dell Software Inc.
14/700502		DETECTING UNAUTHORIZED RISKY OR INEFFICIENT USAGE OF PRIVILEGED CREDENTIALS THROUGH ANALYSIS OF TASK COMPLETION TIMING	Dell Software Inc.
14/702858		METHOD OF OPTIMIZING COMPLEX SQL STATEMENTS USING A REGION DIVIDED PREFERENTIAL SQL REWRITE OPERATION	Dell Software Inc.
14/705878		DEVICE ASSET TRACKING AND SERVICE DESK USING AN EXTERNAL MANAGEMENT SYSTEM AS A DATA SOURCE	Dell Software Inc.
14/706060		SELECTING A CLOUD FROM A PLURALITY OF CLOUDS FOR A WORKLOAD	Dell Software Inc.
14/708110		TWO STAGE MEMORY ALLOCATION USING A CACHE	Dell Software Inc.
14/718804		SYSTEM AND METHOD FOR AGGLOMERATIVE CLUSTERING	Dell Software Inc.
14/719121		METHOD FOR DETERMINING PREDICTIVE RESPONSE TIME ACROSS ENTERPRISE COMMUNICATION SYSTEMS	Dell Software Inc.
14/719224		PROCESSING UNKNOWN OR UNEXPECTED PROPERTIES ENCOUNTERED DURING MIGRATION OR ARCHIVING OPERATIONS	Dell Software Inc.
14/722055		REDUCING TRANSMISSION PATHWAY LENGTHS WITHIN A DISTRIBUTED NETWORK	Dell Software Inc.
14/722125		SYSTEM AND METHOD FOR ADAPTIVE PATHS LOCATOR FOR VIRTUAL NETWORK FUNCTION LINKS	Dell Software Inc.
14/722854		CONTENT-BASED ENCRYPTION KEYS	Dell Software Inc.
14/722914		DATA FINGERPRINT STRENGTHENING	Dell Software Inc.
14/725778		MODEL BASED SYSTEM AND METHODS TO GENERATE END-TO-END DEPENDENCY GRAPH IN MULTI-LAYER NETWORK	Dell Software Inc.

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		FUNCTION VIRTUALIZATION MONITORING SYSTEMS	
14/726971		METHOD AND APPARATUS TO EXTRAPOLATE SARCASM AND IRONY USING MULTI-DIMENSIONAL MACHINE LEARNING BASED LINGUISTIC ANALYSIS	Dell Software Inc.
14/731252		SELECTIVELY SUPPRESS OR THROTTLE MIGRATION OF DATA ACROSS WAN CONNECTIONS	Dell Software Inc.
14/731271		MIGRATION ENHANCED BY PRESENCE, INSTANT MESSAGING, AND LAST LOG-ON TIME	Dell Software Inc.
14/731278		MIGRATE NICKNAME CACHE FOR EMAIL SYSTEMS AND DEVICES	Dell Software Inc.
14/731283		DETERMINE CONFIDENCE OF MAIL ARCHIVE OWNERSHIP FROM SENDERS IN "SENT ITEMS" FOLDER	Dell Software Inc.
14/738087		DYNAMICALLY OPTIMIZING DATA ACCESS PATTERNS USING PREDICTIVE CROWDSOURCING	Dell Software Inc.
14/741021		A SYSTEM FOR ENABLING INDIVIDUAL TENANTS IN A MULTI-TENANT SAAS ENVIRONMENT TO CONTROL THEIR OWN UPGRADE TIMELINES ON AN ACCOUNT-BY-ACCOUNT BASIS.	Dell Software Inc.
14/747860		METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/755592		CENTRALIZED WIRELESS LAN LOAD BALANCING	Dell Software Inc.
14/793640		ON-THE-FLY PATTERN RECOGNITION WITH CONFIGURABLE BOUNDS	Dell Software Inc.
14/793683		REAL-TIME NETWORK UPDATES FOR MALICIOUS CONTENT	Dell Software Inc.
14/797010		SYSTEM AND METHOD FOR IMPROVING SECURITY INTELLIGENCE THROUGH INVENTORY DISCOVERY	Dell Software Inc.
14/811794		METHOD AND APPARATUS FOR RESOURCE LOCATOR IDENTIFIER REWRITE	Dell Software Inc.
14/812823		MANAGING ALERT PROFILES	Dell Software Inc.
14/815221		AUTOMATIC DETERMINATION OF OPTIMAL TIME WINDOW FOR MIGRATION, BACKUP OR OTHER PROCESSES	Dell Software Inc.
14/815866		SOCIAL MEDIA LOGIN AND INTERACTION MANAGEMENT	Dell Software Inc.
14/816900		PROCESSING A MESSAGE BASED ON A BOUNDARY IP ADDRESS AND DECAY VARIABLE	Dell Software Inc.
14/818215		METHOD AND APPARATUS TO PERFORM MULTIPLE PACKET PAYLOADS ANALYSIS	Dell Software Inc.
14/818218		PACKET PROCESSING ON A MULTI-CORE PROCESSOR	Dell Software Inc.
14/819104		UNIFIED SOURCE USER CHECKING OF TCP DATA PACKETS FOR NETWORK DATA LEAKAGE PREVENTION	Dell Software Inc.
14/819233		SYSTEMS AND METHODS FOR TUNING CROSS-PLATFORM DATA COLLECTION	Dell Software Inc.
14/819403		ADAPTIVE CORE GROUPING	Dell Software Inc.
14/821635		READ-AHEAD ON SIGNED CONNECTIONS	Dell Software Inc.

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		WITH UNSIGNING INLINE TRANSPARENT PROXIES	
14/826770		METHOD FOR PERFORMING IN-DATABASE DISTRIBUTED ADVANCED PREDICTIVE ANALYTICS MODELING VIA COMMON QUERIES	Dell Software Inc.
14/834319		METHOD AND APPARATUS TO PERFORM MULTI-CONNECTION TRAFFIC ANALYSIS AND MANAGEMENT	Dell Software Inc.
14/835530		DURING AN EMAIL MIGRATION, CONVERTING DISTRIBUTION LIST MESSAGES INTO SINGLE-INSTANCED CONTENT WITHIN A COLLABORATION PLATFORM GROUP	Dell Software Inc.
14/840739		CORRELATING EVENT LOGS TO IDENTIFY A POTENTIAL SECURITY BREACH	Dell Software Inc.
14/842693		OPTIMIZED AND CONSISTENT REPLICATION OF FILE OVERWRITES	Dell Software Inc.
14/844951		AUTOMATICALLY APPLYING DATA LOSS PREVENTION RULES DURING MIGRATION	Dell Software Inc.
14/845050		PROVIDING CONTROLLED ACCESS TO ADMIN CREDENTIALS DURING A MIGRATION	Dell Software Inc.
14/845467		IDENTIFYING ISSUES PRIOR TO DEPLOYING SOFTWARE	Dell Software Inc.
14/845756		GOVERNANCE POLICY FRAMEWORK FOR CLOUD RESOURCES	Dell Software Inc.
14/858299		RISK ANALYSIS AND EFFICIENT UPDATE FOR LARGE SCALE SHAREPOINT CONTENT CHANGES	Dell Software Inc.
14/858341		MODEL-BASED VDI MONITORING AND REMOTE DISPLAY SESSION LATENCY DIAGNOSTIC	Dell Software Inc.
14/861608		SYSTEM AND METHOD FOR DUPLICATING CUSTOMER DEPLOYMENTS USING SANITIZED TOPOLOGIES	Dell Software Inc.
14/867615		ELECTRONIC-MESSAGING SYSTEM INTERCEPTOR FORWARDING CLIENT NOTIFICATIONS	Dell Software Inc.
14/869072		SYSTEM AND METHOD FOR ACCESSING DIMENSIONAL DATABASES	Dell Software Inc.
14/869758		SIZING OF ONE OR MORE JOBS WITHIN ONE OR MORE TIME WINDOWS	Dell Software Inc.
14/870470		COMBINING A SET OF RISK FACTORS TO PRODUCE A TOTAL RISK SCORE WITHIN A RISK ENGINE	Dell Software Inc.
14/872525		COLLECTING AND TRANSMITTING DIAGNOSTICS INFORMATION FROM PROBLEMATIC DEVICES	Dell Software Inc.
14/874587		FOLDERS THAT EMPLOY DYNAMIC USER TRAINING RULES TO ORGANIZE CONTENT	Dell Software Inc.
14/875120		PREDICTING QUALITY OF EXPERIENCE FOR VOIP CONFERENCES BASED ON CORRELATES OF SCHEDULING AND NATIVE QOE DATA	Dell Software Inc.
14/875136		COMPRESSED METRIC FORMAT FOR MULTI-CORE CPU UTILIZATION	Dell Software Inc.
14/877391		IDENTITY AUTHENTICATION USING MULTIPLE DEVICES	Dell Software Inc.

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14/879657		IDENTIFYING A POTENTIAL MENTOR FOR A COMPUTER-ADMINISTERED TEST	Dell Software Inc.
14/886,884		DYNAMIC PROFILE-BASED TIME SERIES COMPRESSION METHOD	Dell Software Inc.
14/919930		EMAIL AND IDENTITY MIGRATION BASED ON MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS	Dell Software Inc.
14/926566		CLOUD-BASED GATEWAY SECURITY SCANNING	Dell Software Inc.
14/929460		AUGMENTED CONTENT-BASED CLASSIFICATION THROUGH COMMUNICATION USAGE TEXT ENRICHMENT TECHNIQUE	Dell Software Inc.
14/929482		CONTEXT BASED LOG DIMENSIONS ANALYSIS (RE-SUBMISSION FOR 104091 - LOG EVENT AND PERFORMANCE METRICS CORRELATION)	Dell Software Inc.
14/931454		AGENT MANAGED CONTAINER	Dell Software Inc.
14/934720		PLATFORM FOR ADMINISTRATION OF PERSONAL HEALTH INFORMATION	Dell Software Inc.
14/937776		FIREWALL INFORMED BY WEB SERVER SECURITY POLICY IDENTIFYING AUTHORIZED RESOURCES AND HOSTS	Dell Software Inc.
14/938573		USING DISTINGUISHING PROPERTIES TO CLASSIFY MESSAGES	Dell Software Inc.
14/938580		DOCUMENT LINK MIGRATION	Dell Software Inc.
14/942776		METHOD TO AUTOMATICALLY CREATE OFFICE 365 GROUPS USING MULTIFACTOR RELATIONSHIP DATA PROVIDED BY USERS AND SYSTEMS.	Dell Software Inc.
14/948,133		RESOURCE AWARE CLASSIFICATION SYSTEM	Dell Software Inc.
14/956,464		DETERMINING A RISK INDICATOR BASED ON CLASSIFYING DOCUMENTS USING A CLASSIFIER	Dell Software Inc.
14/956298		INTERNET OF THINGS DYNAMIC DATA LOSS PREVENTION	Dell Software Inc.
14/960043		DISTRIBUTED DATABASE DRIVER MIDDLEWARE	Dell Software Inc.
14/962,211		USAGE-BASED MODIFICATION OF USER PRIVILEGES	Dell Software Inc.
14/964027		REGISTERING NETWORK DEVICES USING KNOWN HOST DEVICES	Dell Software Inc.
14/964502		A METHOD TO ENABLE DEEP PACKET INSPECTION (DPI) IN OPENFLOW-BASED SOFTWARE DEFINED NETWORK (SDN)	Dell Software Inc.
14/965859		AUTOMATIC TUNNELS ROUTING LOOP ATTACK DEFENSE	Dell Software Inc.
14/965866		REASSEMBLY FREE DEEP PACKET INSPECTION FOR PEER TO PEER NETWORKS	Dell Software Inc.
14/968455		PRINTED DOCUMENT CONTROL WITH VERIFIED UNIQUE WATERMARKS	Dell Software Inc.
14/968786		REPUTATION BASED THREAT PROTECTION	Dell Software Inc.
14/968829		ACTIVE E-MAIL FILTER WITH CHALLENGE-RESPONSE	Dell Software Inc.
14/975625		TCP TRAFFIC PRIORITY CONTROL BASED ON TCP WINDOW ADJUSTMENT IN BANDWIDTH MANAGEMENT	Dell Software Inc.

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14/976,652		A CENTRALIZED LANGUAGE MANAGEMENT SYSTEM TOOL FOR DISTRIBUTED SYSTEM	Dell Software Inc.
14/980009		CONTEXT-AWARE DELEGATION ENGINE	Dell Software Inc.
14/981299		CONTROLLING CONTENT MODIFICATIONS BY ENFORCING ONE OR MORE CONSTRAINT LINKS	Dell Software Inc.
14/987698		FAST IDENTIFICATION OF CONTENT	Dell Software Inc.
14/989654		EMAIL RECOVERY VIA EMULATION AND INDEXING	Dell Software Inc.
14/989657		SMART EXCHANGE DATABASE INDEX	Dell Software Inc.
14/991567		MANAGING PERSISTENT COOKIES ON A CORPORATE WEB PORTAL	Dell Software Inc.
14/993059		MANAGING INFECTIOUS MESSAGES AS IDENTIFIED BY AN ATTACHMENT	Dell Software Inc.
14/994328		TEMPORARY DISPOSABLE PORTABLE IDENTIFIER	Dell Software Inc.
14/996036		USER BASED STATELESS IPV6 RA-GUARD	Dell Software Inc.
14/996133		DYNAMIC DNS DESTINATION SELECTION	Dell Software Inc.
15/000867		DELAYING ONE OR MORE SEARCHES TO CAUSE MULTIPLE SEARCHES TO LOAD AND EVALUATE SEGMENTS TOGETHER	Dell Software Inc.
15/005840		MULTIDIMENSIONAL SYNOPSIS GENERATION	Dell Software Inc.
15/005846		OPTIMIZER MODULE IN HIGH LOAD CLIENT/SERVER SYSTEMS	Dell Software Inc.
15/006,875		PRIVACY ENABLED MOBILE DEVICE IDENTIFICATION FOR BYOD POLICIES.	Dell Software Inc.
15/006,891		IDENTIFYING COMMON CONFIGURATIONS IN DISTRIBUTED ENVIRONMENTS WITH MEMORABLE HASH NAMES	Dell Software Inc.
15/006933		MESSAGE RECOMMENDATION USING WORD ISOLATION AND CLUSTERING	Dell Software Inc.
15/008,081		RECOVERING A SPECIFIED SET OF DOCUMENTS FROM A DATABASE BACKUP	Dell Software Inc.
15/009,617		READ-ONLY FILE SYSTEM FOR TESTING DE-DUPLICATION	Dell Software Inc.
15/010960		RISK AND VALUE BASED INFORMATION CLASSIFICATION SYSTEM.	Dell Software Inc.
15/017,107		CONTEXT-AWARE DELEGATION RISK SYSTEM	Dell Software Inc.
15/018,059		DEPUTIZING AGENTS TO REDUCE A VOLUME OF EVENT LOGS SENT TO A COORDINATOR	Dell Software Inc.
15/019756		PROVIDING A SINGLE INTERFACE FOR ACCESSING RESOURCES THAT ARE DISTRIBUTED AMONG MULTIPLE PLATFORMS	Dell Software Inc.
15/040793		NETWORK CHANGE AUDITING SYSTEM	Dell Software Inc.
15/048563		SYSTEM AND METHOD FOR CONTROL OF PRINTED DOCUMENTS BASED ON CLASSIFICATION	Dell Software Inc.
15/055,210		SYSTEM AND METHOD FOR APPLYING DOCUMENT VERSIONING ACROSS AN ENTIRE ENTERPRISE	Dell Software Inc.
15/055,901		GENERATING SIMULATION DATA USING A LINEAR CURVE SIMPLIFICATION AND REVERSE SIMPLIFICATION METHOD	Dell Software Inc.

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15/057,747		METHOD AND APPARATUS FOR MULTIMEDIA CONTENT FILTERING	Dell Software Inc.
15/061,209		CONTAINER SECURITY ENHANCEMENTS USING SIGNATURES, ENCRYPTION AND ADDITIONAL ACCESS CONTROL/GOVERNANCE	Dell Software Inc.
15/061,241		DYNAMIC CONTAINER MANIFEST CREATION	Dell Software Inc.
15/061,260		CONTAINER EXECUTION PROTOCOL	Dell Software Inc.
15/062,905		MONITORING, ANALYZING, AND MAPPING OF COMPUTING RESOURCES	Dell Software Inc.
15/067643		AUTO QUERY CONSTRUCTION FOR IN-DATABASE PREDICTIVE ANALYTICS	Dell Software Inc.
15/072,715		DETERMINING DATA THAT IS COLLECTED WHEN AN EMPLOYEE USES CORPORATE RESOURCES	Dell Software Inc.
15/072,987		OBTAINING EMPLOYEE PERMISSION TO COLLECT DATA ASSOCIATED WITH EMPLOYEE USE OF CORPORATE RESOURCES	Dell Software Inc.
15/073,154		PROVIDING AN EMPLOYEE A PERK TO COLLECT DATA OF EMPLOYEE USAGE OF CORPORATE RESOURCES	Dell Software Inc.
15/077891		VIRTUAL PRIVATE NETWORK DEAD PEER DETECTION	Dell Software Inc.
15/081,104		SYSTEMS AND METHODS FOR DIAGNOSTIC ANALYSIS OF MEDIA-STREAM COMBINATIONS	Dell Software Inc.
15/081014		MESSAGE CHALLENGE RESPONSE	Dell Software Inc.
15/084,677		METHOD AND SYSTEM FOR DYNAMIC DISCOVERY OF CONTAINER BASED MICRO SERVICES AND APPLICATIONS	Dell Software Inc.
15/085,180		NETWORK OPTIMIZATION AND CLIENT STEERING BASED ON WIRELESS DATA RATE CAPABILITIES OF MIXED CLIENT DEVICES	Dell Software Inc.
15/094,257		SYSTEMS AND METHODS FOR CLOUD-BASED DEVICE CONFIGURATION MANAGEMENT OF HETEROGENEOUS DEVICES	Dell Software Inc.
15/132120		PRESERVING DATA PROTECTION AND ENABLING SECURE CONTENT AWARENESS IN QUERY SERVICES	Dell Software Inc.
15/136,464		APPARATUS FOR EVENT CATEGORIZATION AND PUBLISHING	Dell Software Inc.
15/136,586		PRIORITIZED MESSAGING SYSTEM	Dell Software Inc.
15/136505		SYSTEMS AND METHODS FOR USING A STRUCTURED QUERY DIALECT TO ACCESS DOCUMENT DATABASES AND MERGING WITH OTHER SOURCES	Dell Software Inc.
15/138701		SYMBIOTIC DATA INSIGHTS FROM HARMONIZED QUERIES	Dell Software Inc.
15/139672		METHOD FOR IN-DATABASE FEATURE SELECTION IN HIGH-DIMENSIONAL INPUTS	Dell Software Inc.
15/142,351		AUTOMATICALLY GENERATED EMPLOYEE PROFILES	Dell Software Inc.
15/149,750		SYSTEM AND METHOD FOR CORRELATING END-USER EXPERIENCE DATA AND BACK-END PERFORMANCE DATA	Dell Software Inc.
15/150,592		DETERMINING A THREAT SEVERITY	Dell Software Inc.



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		ASSOCIATED WITH AN EVENT	
15/154,062		ELECTRONIC MAIL (EMAIL) MESSAGE LIFECYCLE MANAGEMENT	Dell Software Inc.
15/155,243		PERFORMANCE TRACKING OF AN APPLICATION DURING A SINGLE USER SESSION	Dell Software Inc.
15/158,826		DISPATCHER FOR ADAPTIVE DATA COLLECTION	Dell Software Inc.
15045545		LEVERAGING CONTINUOUS REPLICATION TO COPY SNAPSHOT BACKUP IMAGE	Dell Software Inc.
62/321,661		REVERSE PROXY USING DNS NAMES DEMULTIPLEXES RESOURCE ACCESS	Dell Software Inc.
62/321655		SINGLE TIER ROUTING	Dell Software Inc.
62/321658		GLOBAL TRAFFIC OPTIMIZER OPTIMAL PROVIDER SELECTION	Dell Software Inc.
95/001458		APPARATUS, SYSTEM, AND METHOD FOR MANAGING POLICIES ON A COMPUTER HAVING A FOREIGN OPERATING SYSTEM	Dell Software Inc.
95/001872		APPARATUS, SYSTEMS AND METHODS TO PROVIDE AUTHENTICATION SERVICES TO A LEGACY APPLICATION	Dell Software Inc.
13/114282	8156192	E-MAIL MESSAGING SYSTEM AND METHOD FOR ENHANCED RICH MEDIA DELIVERY	Dell Software Inc.