PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8077956

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HEWLETT-PACKARD LIMITED	07/01/2021

RECEIVING PARTY DATA

Name:	Hewlett Packard Enterprise Development LP
Street Address:	1701 East Mossy Oaks Road
City:	Spring
State/Country:	TEXAS
Postal Code:	77389

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18168430

CORRESPONDENCE DATA

Fax Number:

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

Phone:	(970) 898-6588
Email:	hpe.ip.mail@hpe.com
Correspondent Name:	HEWLETT PACKARD ENTERPRISE
Address Line 1:	3404 E. HARMONY ROAD MS 79
Address Line 4:	FORT COLLINS, COLORADO 80528

ATTORNEY DOCKET NUMBER:	710226870US02CON
NAME OF SUBMITTER:	LAURA M. ZAVALA
SIGNATURE:	/Laura M. Zavala/
DATE SIGNED:	07/26/2023

Total Attachments: 149
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AMENDED AND RESTATED PATENT ASSIGNMENT

This **AMENDED AND RESTATED PATENT ASSIGNMENT** (this "Assignment"), dated as of the 1st of June, 2021, is entered into by and between **Hewlett-Packard Limited**, a private company limited by shares and organized under the laws of England and Wales ("Assignor"), and **Hewlett Packard Enterprise Development LP**, a limited partnership organized under the laws of the State of Texas, United States of America, with a place of business at 11445 Compaq Center Drive West, Houston, TX 77707 ("Assignee"). Assignor and Assignee are referred to herein individually as a "Party" and collectively as the "Parties".

RECITALS

WHEREAS, Assignor and Assignee are parties to that certain *Patent Assignment*, effective the 1st of April, 2020 (the "Original Agreement"), pursuant to which Assignee is assigned and acquires from time to time all legal title in and to patents and patent applications developed or created by Assignor, including but not limited to the patents and patent applications set forth on Exhibit A attached thereto (as may be amended, supplemented or otherwise modified from time to time).

WHEREAS, the Parties desire to amend and restate the Original Agreement to insert a revised list of patents and patent applications (collectively the "Patents") on an updated Exhibit A by entering into this Agreement on the terms and conditions set forth herein.

WHEREAS, the Parties hereto wish to record such Patents.

WHEREAS, the Parties hereto intend and agree that the terms of this Assignment are consistent with the past practices of the Parties with respect to the transactions contemplated hereunder for the period beginning as of the date first written above and that the terms of this Assignment apply as of such date.

NOW, THEREFORE, for good and valuable consideration, the adequacy and receipt of which are hereby acknowledged, the Parties agree as follows:

1. Assignor hereby assigns to Assignee all right, title, and interest, throughout the world, in and to the Patents set forth on Exhibit A, including, without limitation, the right to sue for injunctive relief and damages (including based on provisional rights related to published patent applications among the Patents) for infringement of any of the Patents accruing at any time prior to, and the right (where applicable) to file applications under the Paris Convention corresponding to or based on any of the applications for the Patents and to claim priority from such applications and to file national phase, regional phase, continuation, continuation-in-part and divisional applications based on the Patents.

2. Assignor hereby authorizes and requests the competent authorities to record this Assignment and to grant and issue any and all registrations of the Patents set forth on Exhibit A throughout the world to Assignee, its successors, or assigns, whose rights, title, and interests in such registrations are the same as would have been held and enjoyed by Assignor had this Assignment not been made.

3. Assignor will, and will ensure that any other necessary party will, execute all such documents and do all such acts and things as may be required by Assignee for securing and perfecting the assignment of the Patents set forth on Exhibit A in accordance with this Assignment.

4. This Assignment will be binding upon the Parties and their successors and assigns.

5.   The Parties agree that <u>Exhibit A</u> may be updated from time to time by the Parties without written consent to reflect any changes to the list of Patents on <u>Exhibit A</u>. A copy of the updated Exhibit A may be found on the HPE SharePoint website.

6.   This Assignment may be executed simultaneously in two or more counterparts, each of which will be deemed an original, but all of which together will constitute one and the same instrument. This Assignment may be executed by facsimile or .pdf signature, and a facsimile or .pdf signature will constitute an original for all purposes.

7.   This Agreement will be governed in all respects by the laws of the State of Delaware, United States of America, without reference to any choice of law provisions.   Any dispute between the parties shall be subject to the exclusive jurisdiction of the Federal Court of the District of Delaware. The parties agree that United Nations Convention on Contracts for the International Sale of Goods shall not apply to this Agreement.

IN WITNESS WHEREOF the Parties have executed this Assignment by their duly authorized representatives as of the date first written above:

Hewlett Packard Enterprise Development LP	**Hewlett-Packard Limited**
By: Enterprise DC Holdings LLC, its General Partner	
By: *Aamir Haq*	By: P. A. Oram
(Signature)	(Signature)
Aamir Haq	Philippa Anne Oram
(Name)	(Name)
Manager	Director
(Title)	(Title)
07/01/2021	07/01/2021
(Execution Date)	(Execution Date)

EXHIBIT A

Patent Id	Status	Patent Number	Filing Date	Grant Date	Application Number	Terr Code	Title
200703983-3	Abandoned		3/10/2008		PI0821182-5	BR	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703983-5	Filed		3/10/2008		6260/DELNP/2010	IN	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200903065IN01	Filed		10/26/2009		9070/CHENP/2011	IN	METHOD AND APPARATUS FOR INCREASING THE SPEED OF SUCCESSFUL ENTANGLEMENT CREATION AND QUANTUM REPEATER USING THE SAME
200903705EP01	Closed	2517058	12/21/2009	7/15/2020	09852671.8	EP	CIRCUIT SWITCHED OPTICAL INTERCONNECTION FABRIC
700217925IN01	Abandoned		10/29/2014		5401/CHE/2014	IN	DATA RESTORATION USING ALLOCATION MAPS
700221119IN01	Abandoned		7/31/2015		3949/CHE/2015	IN	SNAPSHOT STORAGE MANAGEMENT
71022358201	Issued	10,776,210	9/30/2016	9/15/2020	15/281,910	US	RESTORATION OF CONTENT OF A VOLUME
700212379CN01	Issued	105594170	8/9/2013	6/16/2020	201380079989.3	CN	SWITCH ASSEMBLY
710224772US01	Issued	10,783,246	1/31/2017	9/22/2020	15/420,404	US	COMPARING STRUCTURAL INFORMATION OF A SNAPSHOT OF SYSTEM MEMORY

700218604US01	Issued	10,699,031	10/30/2014	6/30/2020	15/328,408	US	SECURE TRANSACTIONS IN A MEMORY FABRIC
700218502US01	Issued	10,721,062	9/24/2014	7/21/2020	15/329,997	US	UTILIZING ERROR CORRECTION (ECC) FOR SECURE SECRET SHARING
700218916US01	Issued	10,742,400	3/20/2015	8/11/2020	15/505,671	US	DATASTREAM BLOCK ENCRYPTION
700218682US01	Issued	10,715,332	10/30/2014	7/14/2020	15/515,707	US	ENCRYPTION FOR TRANSACTIONS IN A MEMORY FABRIC
700222998US01	Issued	10,929,431	8/28/2015	2/23/2021	15/547,710	US	COLLISION HANDLING DURING AN ASYNCHRONOUS REPLICATION
710225781US01	Issued	10,726,132	3/8/2018	7/28/2020	15/915,381	US	ENCLAVE LAUNCH AND AUTHENTICATION
710225716US01	Issued	10,740,125	1/30/2018	8/11/2020	15/884,030	US	MEMRISTIVE DOT PRODUCT ENGINE VIRTUALIZATION
700221453EP01	Closed	3262514	9/14/2015	7/29/2020	15904219.1	EP	SECURE MEMORY SYSTEMS
700221312US01	Issued	10,701,152	9/24/2015	6/30/2020	15/573,863	US	MEMORY SYSTEM MANAGEMENT

700218916CN01	Issued	107534549	3/20/2015	6/30/2020	201580078971.0	CN	READABLE STORAGE MEDIUM, METHOD AND SYSTEM FOR DATASTREAM BLOCK ENCRYPTION
700221310CN01	Issued	107636629	7/31/2015	7/10/2020	201580078970.6	CN	MEMORY SYSTEM, AND METHOD FOR CREATING AND UPDATING LOGICAL TREES OF MEMORY SYSTEM
700220510US01	Issued	10,769,102	6/12/2015	9/8/2020	15/579,838	US	DISK STORAGE ALLOCATION
710226052US01	Issued	10,795,782	4/2/2018	10/6/2020	15/942,925	US	DATA PROCESSING APPARATUSES AND METHODS TO SUPPORT TRANSFERRING CONTROL BETWEEN A PRIMARY DATA PROCESSING SYSTEM AND A SECONDARY DATA PROCESSING SYSTEM IN RESPONSE TO AN EVENT
710223598US01	Issued	10,719,379	2/26/2016	7/21/2020	15/770,840	US	FAULT ISOLATION IN TRANSACTION LOGS
710223856US01	Issued	10,783,021	3/31/2016	9/22/2020	15/770,845	US	TRANSACTION MANAGEMENT FOR MULTI-NODE CLUSTERS
710224926CN01	Abandoned		1/22/2018		201810060096.9	CN	CHANGING THE DEPLOYMENT STATUS OF A PRE-PROCESSOR OR ANALYTIC
710225032CN01	Issued	201810058458.0	1/22/2018	6/10/2022	201810058458.0	CN	SYSTEM CALL POLICIES FOR CONTAINERS
710223137US01	Issued	11,050,562	1/29/2016	6/29/2021	15/756,978	US	DEVICE ATTESTATION

710223371US01	Issued	10,764,393	4/21/2016	9/1/2020	16/061,998	US	DETERMINING A PERSISTENT NETWORK IDENTITY OF A NETWORKED DEVICE
700222878US01	Issued	10,749,895	11/17/2015	8/18/2020	15/777,185	US	HANDLING NETWORK THREATS
710223606US01	Issued	11,610,075	4/29/2016	3/21/2023	16/085,187	US	HIERARCHICAL RULE CLUSTERING
710226917US01	Issued	10,771,264	10/10/2018	9/8/2020	16/155,983	US	Securing Firmware
710226623US01	Published		4/2/2019		16/372,675	US	CONTAINER INDEX PERSISTENT ITEM TAGS
710226989US01	Issued	11,556,471	4/30/2019	1/17/2023	16/399,230	US	CACHE COHERENCY MANAGEMENT FOR MULTI-CATEGORY MEMORIES
710227074WO01	Closed		1/8/2019		PCT/US2019/012610	WO	SECURING NODE GROUPS
710226870US01	Issued	11,017,090	12/17/2018	5/25/2021	16/222,293	US	VERIFICATION OF A PROVISIONED STATE OF A PLATFORM
710226578US01	Abandoned		3/4/2019		16/291,738	US	CACHE MANAGER

710226935US01	Issued	10,776,493	10/12/2018	9/15/2020	16/159,365	US	SECURE MANAGEMENT AND EXECUTION OF COMPUTING CODE INCLUDING FIRMWARE
710226817US01	Issued	11,360,784	9/10/2019	6/14/2022	16/565,915	US	INTEGRITY MANIFEST CERTIFICATE
710226981US01	Issued	10,732,881	1/30/2019	8/4/2020	16/262,578	US	REGION CLONING FOR DEDUPLICATION
710227178US01	Issued	11,695,654	2/27/2019	7/4/2023	16/287,518	US	HIGH PERFORMANCE COMPUTE INFRASTRUCTURE AS A SERVICE
710227534US01	Issued	11,372,970	3/12/2019	6/28/2022	16/299,258	US	Multi-Dimensional Attestation
700218553US02	Issued	10,764,065	1/22/2019	9/1/2020	16/253,853	US	ADMISSIONS CONTROL OF A DEVICE
710227826US01	Issued	11,100,235	4/29/2019	8/24/2021	16/397,661	US	BACKUPS OF FILE SYSTEM INSTANCES WITH ROOT OBJECT ENCRYPTED BY METADATA ENCRYPTION KEY
710227824US01	Issued	11,226,867	4/29/2019	1/18/2022	16/398,069	US	BACKUPS OF FILE SYSTEM INSTANCES OF ENCRYPTED DATA OBJECTS
710227941US01	Issued	11,405,409	4/29/2019	8/2/2022	16/397,967	US	THREAT-AWARE COPY DATA MANAGEMENT

710228344IN01	Published		5/31/2019		201941021738	IN	Unified KaaS (Kubernetes as a Service) Controller through HPE self-service Portal using dynamic discovery of plugin based on event-driven architecture
710227596US01	Issued	11,290,471	8/27/2019	3/29/2022	16/552,357	US	CROSS-ATTESTATION OF ELECTRONIC DEVICES
710228151US01	Published		7/26/2019		16/523,085	US	MONITORING OPERATING SYSTEM INVARIANT INFORMATION
710228465US01	Issued	10,873,504	7/17/2019	12/22/2020	16/514,556	US	MANAGING CONCURRENTLY RECEIVED CONFIGURATION REQUESTS IN A COMPUTING NETWORK
710228466US01	Abandoned		7/17/2019		16/514,654	US	MANAGING A CONFIGURATION REQUEST IN A COMPUTING NETWORK
710228519US01	Issued	10,877,931	9/12/2019	12/29/2020	16/568,451	US	BACKUPS OF FILE SYSTEM INSTANCES HAVING SUBTREES
710228344US01	Issued	11,561,835	5/29/2020	1/24/2023	16/887,001	US	UNIFIED CONTAINER ORCHESTRATION CONTROLLER
710228674US01	Issued	11,029,476	9/25/2019	6/8/2021	16/582,907	US	INJECTION LOCKED MULTI-WAVELENGTH OPTICAL SOURCE
710228862US01	Issued	11,281,476	1/30/2020	3/22/2022	16/777,779	US	A PLUGIN FRAMEWORK TO SUPPORT ZERO TOUCH MANAGEMENT OF HETEROGENEOUS INFRASTRUCTURE ELEMENTS ACROSS DISTRIBUTED DATA CENTERS

710228701US01	Issued	11,153,279	1/30/2020	10/19/2021	16/776,735	US	LOCALLY REPRESENTING A REMOTE APPLICATION PROGRAMMING INTERFACE (API) ENDPOINT WITHIN AN APPLICATION PLATFORM
CRAY0006US01	Issued	10,757,022	11/20/2018	8/25/2020	16/197,159	US	INCREASINGLY MINIMAL BIAS ROUTING
710229042US01	Issued	11,645,161	3/26/2020	5/9/2023	16/830,421	US	CATALOG OF FILES ASSOCIATED WITH SNAPSHOTS
710228596US01	Issued	11,334,501	1/28/2020	5/17/2022	16/774,638	US	ACCESS PERMISSIONS FOR MEMORY REGIONS
710229088US01	Issued	11,106,580	1/27/2020	8/31/2021	16/773,710	US	DEDUPLICATION SYSTEM THRESHOLD BASED ON AN AMOUNT OF WEAR OF A STORAGE DEVICE
710228901US01	Issued	11,436,092	4/20/2020	9/6/2022	16/852,711	US	BACKUP OBJECTS FOR FULLY PROVISIONED VOLUMES WITH THIN LISTS OF CHUNK SIGNATURES
710229162US01	Issued	11,334,670	1/28/2020	5/17/2022	16/774,467	US	INTEGRITY VERIFICATION FOR A SOFTWARE STACK OR PART OF A SOFTWARE STACK
710227178CN01	Published		2/26/2020		202010121093.9	CN	HIGH PERFORMANCE COMPUTE INFRASTRUCTURE AS A SERVICE
710227824CN01	Published		3/31/2020		202010248020.6	CN	BACKUPS OF FILE SYSTEM INSTANCES OF ENCRYPTED DATA OBJECTS

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710226989CN01	Published		4/1/2020		202010247862.X	CN	CACHE COHERENCY MANAGEMENT FOR MULTI-CATEGORY MEMORIES
710227178DE01	Published		2/25/2020		102020104871.8	DE	High Performance Compute Infrastructure as a Service
710227824DE01	Issued	102020111199	4/24/2020	5/11/2023	102020111199.1	DE	BACKUPS OF FILE SYSTEM INSTANCES OF ENCRYPTED DATA OBJECTS
710226989DE01	Published		3/30/2020		102020108666.0	DE	CACHE COHERENCY MANAGEMENT FOR MULTI-CATEGORY MEMORIES
710228676US01	Issued	11,586,541	7/31/2020	2/21/2023	16/944,905	US	SYSTEM AND METHOD FOR SCALABLE HARDWARE-COHERENT MEMORY NODES
710228677US01	Issued	11,573,898	8/17/2020	2/7/2023	16/995,411	US	SYSTEM AND METHOD FOR FACILITATING HYBRID HARDWARE-MANAGED AND SOFTWARE-MANAGED CACHE COHERENCY FOR DISTRIBUTED COMPUTING
CRAY0230WO01	Closed		3/23/2020		PCT/US2020/024303	WO	SYSTEMS AND METHODS FOR ADAPTIVE ROUTING IN THE PRESENCE OF PERSISTENT FLOWS
CRAY0230WO02	Closed		3/23/2020		PCT/US2020/024340	WO	SYSTEMS AND METHODS FOR PER TRAFFIC CLASS ROUTING
CRAY0230WO03	Closed		3/23/2020		PCT/US2020/024125	WO	METHODS FOR DISTRIBUTING SOFTWARE-DETERMINED GLOBAL LOAD INFORMATION

CRAY0230WO04	Closed		3/23/2020		PCT/US2020/024129	WO	ALGORITHMS FOR USE OF LOAD INFORMATION FROM NEIGHBORING NODES IN ADAPTIVE ROUTING
CRAY0230WO05	Closed		3/23/2020		PCT/US2020/024342	WO	SYSTEMS AND METHODS FOR ON THE FLY ROUTING IN THE PRESENCE OF ERRORS
CRAY0230WO07	Closed		3/23/2020		PCT/US2020/024170	WO	OPTIMIZED ADAPTIVE ROUTING TO REDUCE NUMBER OF HOPS
CRAY0230WO09	Closed		3/23/2020		PCT/US2020/024221	WO	WEIGHTING ROUTING
CRAY0230WO10	Closed		3/23/2020		PCT/US2020/024276	WO	DEADLOCK-FREE MULTICAST ROUTING ON A DRAGONFLY NETWORK
CRAY0230WO11	Closed		3/23/2020		PCT/US2020/024259	WO	SYSTEM AND METHOD FOR FACILITATING DATA-DRIVEN INTELLIGENT NETWORK
CRAY0230WO13	Closed		3/23/2020		PCT/US2020/024251	WO	SYSTEM AND METHOD FOR FACILITATING DATA-DRIVEN INTELLIGENT NETWORK WITH ENDPOINT CONGESTION DETECTION AND CONTROL
CRAY0230WO14	Closed		3/23/2020		PCT/US2020/024268	WO	SYSTEM AND METHOD FOR FACILITATING DATA-DRIVEN INTELLIGENT NETWORK WITH PER-FLOW CREDIT-BASED FLOW CONTROL
CRAY0230WO15	Closed		3/23/2020		PCT/US2020/024270	WO	SYSTEM AND METHOD FOR FACILITATING DATA-DRIVEN INTELLIGENT NETWORK WITH FLOW CONTROL OF INDIVIDUAL APPLICATIONS AND TRAFFIC FLOWS

CRAY0230WO16	Closed		3/23/2020		PCT/US2020/024327	WO	SYSTEM AND METHOD FOR FACILITATING DATA-DRIVEN INTELLIGENT NETWORK WITH INGRESS PORT INJECTION LIMITS
CRAY0230WO17	Closed		3/23/2020		PCT/US2020/024239	WO	DYNAMIC BUFFER MANAGEMENT IN DATA-DRIVEN INTELLIGENT NETWORK
CRAY0230WO18	Closed		3/23/2020		PCT/US2020/024266	WO	SYSTEM AND METHOD FOR FACILITATING GLOBAL FAIRNESS IN A NETWORK
CRAY0230WO20	Closed		3/23/2020		PCT/US2020/024237	WO	METHOD AND SYSTEM FOR PROVIDING NETWORK EGRESS FAIRNESS BETWEEN APPLICATIONS
CRAY0230WO22	Closed		3/23/2020		PCT/US2020/024260	WO	SYSTEM AND METHOD FOR DYNAMIC ALLOCATION OF REDUCTION ENGINES
CRAY0230WO23	Closed		3/23/2020		PCT/US2020/024243	WO	SYSTEM AND METHOD FOR FACILITATING SELF-MANAGING REDUCTION ENGINES
CRAY0230WO24	Closed		3/23/2020		PCT/US2020/024253	WO	SYSTEM AND METHOD FOR FACILITATING TRACER PACKETS IN A DATA-DRIVEN INTELLIGENT NETWORK
CRAY0230WO25	Closed		3/23/2020		PCT/US2020/024324	WO	METHOD AND SYSTEM FOR FACILITATING LOSSY DROPPING AND ECN MARKING
CRAY0230WO27	Closed		3/23/2020		PCT/US2020/024332	WO	METHOD AND SYSTEM FOR FACILITATING WIDE LAG AND ECMP CONTROL

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CRAY0228WO01	Closed		3/23/2020		PCT/US2020/024254	WO	SYSTEM AND METHOD FOR FACILITATING DATA REQUEST MANAGEMENT IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO03	Closed		3/23/2020		PCT/US2020/024245	WO	SYSTEM AND METHOD FOR FACILITATING FINE-GRAIN FLOW CONTROL IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO04	Closed		3/23/2020		PCT/US2020/024311	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT MESSAGE MATCHING IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO05	Closed		3/23/2020		PCT/US2020/024241	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT PACKET FORWARDING USING A MESSAGE STATE TABLE IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO06	Closed		3/23/2020		PCT/US2020/024246	WO	SYSTEM AND METHOD FOR FACILITATING HYBRID MESSAGE MATCHING IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO07	Closed		3/23/2020		PCT/US2020/024272	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT LOAD BALANCING IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO08	Closed		3/23/2020		PCT/US2020/024304	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT MANAGEMENT OF NON-IDEMPOTENT OPERATIONS IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO09	Closed		3/23/2020		PCT/US2020/024250	WO	SYSTEM AND METHOD FOR FACILITATING DYNAMIC COMMAND MANAGEMENT IN A NETWORK INTERFACE CONTROLLER (NIC)
710229412US01	Issued	11,650,936	7/10/2020	5/16/2023	16/926,628	US	FIELD-REPLACEABLE UNIT (FRU) SECURE COMPONENT BINDING

710229427US01	Published			9/3/2020		17/011,327	US	ALLOCATING COMPUTING RESOURCES TO DATA TRANSFER JOBS
10013048-1	Issued	7,111,282	6/12/2001	9/19/2006	09/880,327	US	INSTRUMENTING A SOFTWARE PROGRAM AND COLLECTING DATA FROM THE INSTRUMENTED SOFTWARE PROGRAM BY TYPE
30001673-3	Expired	6,886,032	6/8/2001	4/26/2005	09/876,161	US	Utilization Of Unused Disk Space On Networked Computer
30001673-4	Issued	6,865,598	6/8/2001	3/8/2005	09/875,950	US	Utilization Of Unused Disk Space On Networked Computers
30002482-2	Issued	7,562,248	2/18/2005	7/14/2009	11/061,022	US	DATA STORAGE SYSTEM
30003028-3	Issued	6,925,288	3/29/2001	8/2/2005	09/821,146	US	Gathering Information From Short-range Wireless Portals
30003063-2	Issued	6,941,476	5/10/2001	9/6/2005	09/852,262	US	Information Storage
30003760-2	Expired	6,934,881	4/27/2001	8/23/2005	09/843,148	US	MEMORY INCLUDING PORTION STORING A COPY OF PRIMARY OPERATING SYSTEM AND METHOD OF OPERATING COMPUTER INCLUDING THE MEMORY
30003893-3	Issued	8,024,270	5/8/2001	9/20/2011	10/275,871	US	Operating A Communications Infrastructure On A Pre-payment Basis

30003893-5	Expired	60121569.9	5/8/2001	7/19/2006	01925734.4	DE	Operating A Communications Infrastructure On A Pre-payment Basis
30003893-6	Expired	1281270	5/8/2001	7/19/2006	01925734.4	GB	Distributed pre-paid communications infrastructure
30003893-7	Expired	1281270	5/8/2001	7/19/2006	01925734.4	IT	Distributed pre-paid communications infrastructure
30003957-5	Expired	60037972.8	10/10/2000	2/6/2008	00308910.9	DE	E-appliances
30003957-6	Expired	1197858	10/10/2000	2/6/2008	00308910.9	GB	E-appliances
30004521-2	Issued	7,877,799	8/1/2001	1/25/2011	09/920,554	US	Performance Of A Service On A Computing Platform
30004521-4	Issued	4818542	8/9/2001	9/9/2011	2001-241933	JP	Performance Of A Service On A Computing Platform
30004631-1	Expired	2368227	10/17/2000	12/10/2003	0025461.5	GB	Contact Center
30004631-3	Issued	6,988,126	10/16/2001	1/17/2006	09/977,494	US	CONTACT CENTER SYSTEM AND METHOD FOR SPECIFYING DIFFERENT SERVICE SPECIFIC BEHAVIOURS AND OFFERING RANGE OF CORRESPONDING CUSTOMER SERVICES

30004635-1	Expired	2368224	10/17/2000	8/25/2004	0025454.0	GB	Content Provider Entity For Communication Session
30004635-2	Issued	7,334,017	10/16/2001	2/19/2008	09/977,501	US	Content Provider Entity For Communication Session
30004637-1	Expired	2368930	10/17/2000	4/6/2005	0025452.4	GB	Establishment Of A Deferred Network Communication Session
30004637-2	Issued	7,000,019	10/16/2001	2/14/2006	09/977,495	US	Establishment Of A Deferred Network Communication Session
30004640-1	Issued	2368225	10/17/2000	12/10/2003	0025458.1	GB	Inviting Assistant Entity Into A Network Communication Session
30004640-2	Issued	8,166,173	10/16/2001	4/24/2012	09/977,497	US	Inviting Assistant Entity Into A Network Communication Session
30004647-1	Issued	2368246	10/17/2000	9/1/2004	0025462.3	GB	Overview Subsystem For Information Page Server
30004647-2	Issued	6,996,605	10/16/2001	2/7/2006	09/977,496	US	OVERVIEW SUBSYSTEM FOR INFORMATION PAGE SERVER
30004693-2	Issued	7,113,911	11/21/2001	9/26/2006	09/990,768	US	Voice Communication Concerning A Local Entity

30004771-1	Expired	7,065,575	11/20/2000	6/20/2006	09/715,045	US	Cooperative Networking Method And System
30006602-1	Expired	2372594	2/23/2001	10/6/2004	0104670.5	GB	Trusted Computing Environment
30006602-2	Issued	7,353,531	2/22/2002	4/1/2008	10/080,477	US	Trusted Computing Environment
30006603-2	Issued	7,159,210	6/18/2002	1/2/2007	10/175,553	US	Performing Secure And Insecure Computing Operations In A Compartmented Operating System
30006604-1	Expired	2376764	6/19/2001	12/29/2004	0114891.5	GB	Multiple Trusted Computing Environments
30006604-2	Issued	7,865,876	6/18/2002	1/4/2011	10/175,542	US	MULTIPLE TRUSTED COMPUTING ENVIRONMENTS
30006606-2	Issued	8,219,496	2/22/2002	7/10/2012	10/080,479	US	Method Of And Apparatus For Ascertaining The Status Of A Data Processing Environment
30006606-3	Abandoned	2375199	2/20/2002	2/2/2005	0203939.4	GB	Method Of And Apparatus For Ascertaining The Status Of A Data Processing Environment
30006636-3	Issued	7,437,568	8/16/2001	10/14/2008	09/931,526	US	Apparatus And Method For Establishing Trust

30006640-3	Issued	6,986,042	8/17/2001	1/10/2006	10/110,950	US	COMPUTER SYSTEM OPERABLE TO REVERT TO A TRUSTED STATE
30006640-5	Expired	60123969.5	8/17/2001	10/18/2006	01958228.7	DE	A Computer System Operable To Revert To A Trusted State
30006640-6	Expired	1309916	8/17/2001	10/18/2006	01958228.7	GB	A Computer System Operable To Revert To A Trusted State
30007696-1	Expired	2373348	3/7/2001	1/12/2005	0105691.0	GB	Computer System
30007696-3	Issued	8,769,478	4/22/2005	7/1/2014	11/111,866	US	Aggregation Of Multiple Headless Computer Entities Into A Single Computer Entity Group
30008194-1	Expired	2377048	6/30/2001	5/4/2005	0116063.9	GB	Method Of Utilisation Of A Data Storage Array, And Array Controller Therefor
30008194-2	Issued	6,851,037	7/1/2002	2/1/2005	10/185,725	US	METHOD OF UTILISATION OF A DATA STORAGE ARRAY, AND ARRAY CONTROLLER THEREFOR
30010410-2	Issued	7,634,656	9/12/2002	12/15/2009	10/241,894	US	Method And Apparatus For Identifying A Voice Caller
30010410-4	Issued	60207500.9	9/10/2002	11/23/2005	02256245.8	DE	Method And Apparatus For Identifying A Voice Caller

30010410-6	Issued	1294157	9/10/2002	11/23/2005	02256245.8	GB	Method And Apparatus For Identifying A Voice Caller
30011229-2	Issued	7,444,666	7/25/2002	10/28/2008	10/202,816	US	Multi-domain Authorization And Authentication
30011229-4	Abandoned	60214632.1	7/26/2002	9/13/2006	02255218.6	DE	Multi-domain Authorisation And Authentication
30011229-6	Abandoned	1280317	7/26/2002	9/13/2006	02255218.6	GB	Multi-domain Authorisation And Authentication
30011380-2	Issued	7,702,763	7/31/2002	4/20/2010	10/207,802	US	Remote Monitoring Of Computer Devices
30012087-2	Issued	6,873,270	10/30/2002	3/29/2005	10/283,503	US	Data Storage And Analysis
30012776-2	Issued	8,370,631	7/29/2002	2/5/2013	10/208,716	US	Trusted Identities On A Trusted Computing Platform
30015421-2	Expired	7,058,708	6/12/2001	6/6/2006	09/878,185	US	METHOD OF AND APPARATUS FOR MANAGING PREDICTED FUTURE USER ACCOUNTS ASSIGNED TO A COMPUTER
30015986-2	Abandoned	7,822,862	6/9/2003	10/26/2010	10/457,021	US	METHOD OF SATISFYING A DEMAND ON A NETWORK FOR A NETWORK RESOURCE

30015987-1	Abandoned	2386738	3/18/2002	9/21/2005	0206404.6	GB	Lower Cost Streaming Media Playback Infrastructure
30015987-2	Abandoned	7,770,199	3/18/2003	8/3/2010	10/390,161	US	Media Playing
30015988-2	Issued	7,590,746	6/9/2003	9/15/2009	10/457,003	US	SYSTEMS AND METHODS OF MAINTAINING AVAILABILITY OF REQUESTED NETWORK RESOURCES
30015988-3	Abandoned	2389481	6/4/2003	12/28/2005	0312767.7	GB	Method Of Maintaining Availability Of Requested Network Resources
30016274-1	Issued	7,779,267	9/4/2001	8/17/2010	09/946,323	US	Method And Apparatus For Using A Secret In A Distributed Computing System
30016994-2	Issued	7096409	7/30/2003	8/22/2006	10/632,125	US	Reed-solomon Decoder And Decoding Method For Errors And Erasures Decoding
30017533-1	Expired	2376765	6/19/2001	12/29/2004	0114895.6	GB	Multiple Trusted Computing Environments With Verifiable Environment Identities
30017533-2	Issued	7,076,655	6/18/2002	7/11/2006	10/175,183	US	Multiple Trusted Computing Environments With Verifiable Environment Identities
30017568-2	Issued	7,086,052	1/3/2003	8/1/2006	10/336,590	US	Software Installation And Operation With Random Selection

30019296-2	Closed	2381173	10/4/2002	6/30/2004	0222978.9	GB	Method And Apparatus For Encrypting Data
30019296-3	Closed	10248006	10/15/2002	1/17/2008	10248006.0	DE	Method And Apparatus For Encrypting Data
30019296-4	Issued	7,219,226	10/11/2002	5/15/2007	10/270,039	US	Method And Apparatus For Encrypting Data
30990075-4	Issued	8,407,092	10/30/2001	3/26/2013	10/415,449	US	Metering In A Data Processing System
30990084-4	Expired	6,728,860	2/19/2001	4/27/2004	09/959,590	US	Address Mapping In Solid State Storage Device
30990084-5	Expired	6,931,509	12/15/2003	8/16/2005	10/734,624	US	Address Mapping In Solid State Storage Device
30990155-3	Issued	7096204	10/6/2000	8/22/2006	10/110,280	US	Electronic Commerce System
200205658-2	Abandoned	7,415,113	7/30/2003	8/19/2008	10/629,599	US	Management Of Security Key Distribution
200205659-2	Issued	7,512,240	10/29/2003	3/31/2009	10/694,824	US	Management Of Security Key Distribution

200205709-2	Issued	7,917,752	8/18/2003	3/29/2011	10/643,306	US	METHOD OF CONTROLLING THE PROCESSING OF DATA
200206116-4	Abandoned	2398712	1/20/2004	6/28/2006	0401123.5	GB	Privacy Management Of Personal Data
200206116-5	Abandoned	7,398,393	1/28/2004	7/8/2008	10/767,868	US	Privacy Management Of Personal Data
200206289-1	Issued	7,983,422	7/25/2003	7/19/2011	10/627,158	US	QUANTUM CRYPTOGRAPHY
200206289-4	Issued	4829788	7/22/2004	9/22/2011	2006-520891	JP	Quantum Cryptography With Quantum Channel Check
200206289-5	Issued	602004010270.9	7/22/2004	11/21/2007	04743493.1	DE	Quantum Cryptography With Quantum Channel Check
200206289-7	Issued	1652334	7/22/2004	11/21/2007	04743493.1	GB	Quantum Cryptography With Quantum Channel Check
200207050-1	Issued	7,560,726	2/11/2003	7/14/2009	10/364,987	US	Quantum Information Processing Using Electromagnetically Induced Transparency
200207050-4	Abandoned	4870549	2/11/2004	11/25/2011	2006-503439	JP	Quantum Information Processing Using Electromagnetically Induced Transparency

200207371-1	Issued	8,230,497	11/4/2002	7/24/2012	10/287,125	US	Method Of Identifying Software Vulnerabilities On A Computer System
200207373-1	Issued	7,353,539	1/16/2003	4/1/2008	10/345,701	US	SIGNAL LEVEL PROPAGATION MECHANISM FOR DISTRIBUTION OF A PAYLOAD TO VULNERABLE SYSTEMS
200207542-2	Issued	8,069,450	1/26/2004	11/29/2011	10/765,827	US	Computer Operating System Data Management
200207542-3	Issued	2398656	1/21/2004	6/14/2006	0401194.6	GB	Improvements In And Relating To Computer Operating System Data Management
200208124-2	Issued	8,806,222	1/20/2006	8/12/2014	11/335,824	US	Method And System For Contained Cryptographic Separation
200208361-2	Issued	9,398,140	7/20/2006	7/19/2016	11/489,433	US	CONTEXT-BASED EVENT PROCESSING
200208361-3	Issued	602005014979.1	9/12/2005	6/17/2009	05300740.7	DE	Context-based Event Processing
200208361-4	Issued	1763260	9/12/2005	6/17/2009	05300740.7	GB	Context-based Event Processing
200208659-1	Issued	7,483,142	5/3/2006	1/27/2009	11/417,614	US	Security Systems And Monitoring Methods Using Quantum States

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200209133-2	Issued	8,392,995	1/11/2005	3/5/2013	11/033,182	US	Network Management
200209134-1	Issued	2411313	2/21/2004	7/26/2006	0403931.9	GB	NETWORK CONNECTION CONTROL
200209134-2	Issued	7,558,216	2/1/2005	7/7/2009	11/048,126	US	Network Connection Control
200300132-2	Issued	7,600,261	3/26/2004	10/6/2009	10/810,308	US	Security Attributes In Trusted Computing Systems
200300133-2	Issued	7,552,328	3/26/2004	6/23/2009	10/810,348	US	SECURITY ATTRIBUTES OF NODES IN TRUSTED COMPUTING SYSTEMS
CRAY0230US01	Expired		5/23/2019		62/852,273	US	1177 - NETWORK SWITCH (ROSETTA SHORT)
CRAY0228WO10	Closed		3/23/2020		PCT/US2020/024248	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT EVENT NOTIFICATION MANAGEMENT FOR A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO11	Closed		3/23/2020		PCT/US2020/024242	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT UTILIZATION OF AN OUTPUT BUFFER IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO12	Closed		3/23/2020		PCT/US2020/024257	WO	SYSTEM AND METHOD FOR FACILITATING OPERATION MANAGEMENT IN A NETWORK INTERFACE CONTROLLER (NIC) FOR ACCELERATORS

CRAY0228WO13	Closed			3/23/2020		PCT/US2020/024262	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT PACKET FORWARDING IN A NETWORK INTERFACE CONTROLLER (NIC)
CRAY0228WO14	Closed			3/23/2020		PCT/US2020/024321	WO	SYSTEM AND METHOD FOR FACILITATING EFFICIENT PACKET INJECTION INTO AN OUTPUT BUFFER IN A NETWORK INTERFACE CONTROLLER (NIC)
200300254-3	Issued	7,574,596	4/22/2004	8/11/2009	10/831,549	US	Cryptographic Method And Apparatus
200300254-3	Issued	7,574,596	4/22/2004	8/11/2009	10/831,549	US	Cryptographic Method And Apparatus
200300254-5	Issued	602004001273.4	4/21/2004	6/21/2006	04252330.8	DE	Identifier-Based Encryption Method and Apparatus
200300254-6	Issued	1471680	4/21/2004	6/21/2006	04252330.8	FR	Identifier-Based Encryption Method and Apparatus
200300254-7	Issued	1471680	4/21/2004	6/21/2006	04252330.8	GB	Identifier-Based Encryption Method and Apparatus
200300255-2	Abandoned	8,670,959	7/26/2006	3/11/2014	11/494,292	US	PROCESSING AND DISPLAY OF A REAL WORLD MODEL
200309140-1	Issued	6,989,523	4/11/2003	1/24/2006	10/412,019	US	Photon Number Resolving Systems And Methods

200309650-3	Issued	8,261,063	10/16/2003	9/4/2012	10/688,397	US	Method And Apparatus For Managing A Hierarchy Of Nodes
200309939-1	Issued	8,023,828	10/17/2005	9/20/2011	11/252,964	US	Quantum Information Conversion Between Matter And Light Representations
200309939-4	Issued	5437634	7/21/2006	12/20/2013	2008-535519	JP	Quantum Information Conversion Between Matter And Light Representations
200309939-5	Issued	200680038674.4	7/21/2006	1/16/2013	200680038674.4	CN	Quantum Information Conversion Between Matter And Light Representations
200311104-1	Issued	7,449,672	4/30/2004	11/11/2008	10/837,129	US	CONVERSION OF QUANTUM INFORMATION FROM ONE PHOTONIC REPRESENTATION TO ANOTHER PHOTONIC REPRESENTATION
200311104-6	Abandoned	200580013632.0	4/28/2005	9/8/2010	200580013632.0	CN	Quantum Optical State Converter
200311104-7	Abandoned	255977	4/28/2005	4/11/2013	4026/CHENP/2006	IN	QUANTUM OPTICAL STATE CONVERTER
200311116-1	Issued	7,310,623	12/12/2003	12/18/2007	10/734,713	US	Games Using Pair-wise Entanglements
200311663-1	Issued	7,343,059	10/11/2003	3/11/2008	10/684,278	US	Photonic Interconnect System

200311663-3	Issued	8,447,146	1/11/2008	5/21/2013	12/008,605	US	Photonic Interconnect System
200311663-5	Issued	7,546,004	1/11/2008	6/9/2009	12/008,554	US	Photonic Interconnect System
200311663-6	Issued	7,657,137	1/11/2008	2/2/2010	12/008,618	US	Photonic Interconnect System
200311663-8	Abandoned	2422022	10/6/2004	8/22/2007	0607194.8	GB	Photonic Interconnect System
200311663-9	Abandoned	4447606	10/6/2004	1/29/2010	2006-534342	JP	Photonic Interconnect System
200311663-10	Abandoned	2436242	10/6/2004	12/5/2007	0710983.8	GB	Photonic Interconnect System
200312183-4	Issued	4635009	5/21/2004	11/26/2010	2006-530523	JP	Use Of Certified Secrets In Communication
200312183-5	Issued	8,689,000	5/21/2004	4/1/2014	10/557,953	US	Use Of Certified Secrets In Communication
200312446-3	Issued	2401012	4/22/2004	7/6/2005	0408892.8	GB	Cryptographic Method And Apparatus

200312446-5	Issued	2401014	4/22/2004	9/14/2005	0408903.3	GB	Cryptographic Method And Apparatus
200312446-6	Issued	7,380,138	4/22/2004	5/27/2008	10/831,350	US	Cryptographic Method And Apparatus
200313970-1	Issued	7,002,133	10/3/2003	2/21/2006	10/678,437	US	DETECTING ONE OR MORE PHOTONS FROM THEIR INTERACTIONS WITH PROBE PHOTONS IN A MATTER SYSTEM
200314217-1	Issued	7,133,173	7/26/2004	11/7/2006	10/899,332	US	Nonlinear Electromagnetic Quantum Information Processing
200314217-4	Issued	4684294	6/28/2005	2/18/2011	2007-523571	JP	Nonlinear Electromagnetic Quantum Information Processing
200314217-5	Issued	200580024861.2	6/28/2005	1/18/2012	200580024861.2	CN	Nonlinear Electromagnetic Quantum Information Processing
200316711-1	Abandoned	7,703,124	3/31/2005	4/20/2010	11/094,989	US	System And Method For Implementing A Private Virtual Backbone On A Common Network Infrastructure
200400502-1	Issued	7,702,725	7/2/2004	4/20/2010	10/884,092	US	Digital Object Repositories, Models, Protocol, Apparatus, Methods And Software And Data Structures, Relating Thereto
200400664-1	Issued	7,038,188	4/29/2004	5/2/2006	10/836,012	US	Non-demolition Photon Detector That Preserves Input State Characteristics

200400664-4	Abandoned	4638486	4/28/2005	12/3/2010	2007-510972	JP	Non-demolition Photon Detector That Preserves Input State Characteristics
200400664-6	Abandoned	200580013328.6	4/28/2005	9/14/2011	200580013328.6	CN	NON-DEMOLITION PHOTON DETECTOR THAT PRESERVES INPUT STATE CHARACTERISTICS
200400664-7	Abandoned	258709	4/28/2005	1/31/2014	4028/CHENP/2006	IN	Non-demolition Photon Detector That Preserves Input State Characteristics
200400717-2	Issued	8,984,291	3/23/2006	3/17/2015	11/389,336	US	Access To A Computing Environment By Computing Devices
200400852-1	Issued	7,428,562	11/26/2004	9/23/2008	10/998,208	US	Self-authenticating Quantum Random Number Generator
200400855-1	Issued	7,840,902	10/26/2005	11/23/2010	11/260,511	US	METHOD AND AN APPARATUS FOR AUTOMATIC CREATION OF SECURE CONNECTIONS BETWEEN SEGMENTED RESOURCE FARMS IN A UTILITY COMPUTING ENVIRONMENT
200401050-1	Issued	7,876,694	7/2/2004	1/25/2011	10/884,468	US	IDENTIFYING VPN FAULTS BASED ON VIRTUAL ROUTING ADDRESS AND EDGE INTERFACE RELATIONSHIP INFORMATION
200401266-1	Issued	7,643,434	9/30/2004	1/5/2010	10/953,281	US	Method And System For Managing Network Nodes Which Communicate Via Connectivity Services Of A Service Provider
200401763-2	Issued	7,743,321	10/28/2005	6/22/2010	11/260,569	US	METHOD AND APPARATUS FOR PROCESSING DATA

200402146-2	Issued	8,589,679	7/14/2005	11/19/2013	11/182,527	US	Identifier-based Signcryption With Two Trusted Authorities
200402333-1	Issued	2412754	3/30/2004	7/11/2007	0407117.1	GB	Provision Of Resource Allocation Information
200402333-2	Issued	7,949,753	3/16/2005	5/24/2011	11/081,248	US	Provision Of Resource Allocation Information
200402517-2	Issued	7,633,928	3/27/2006	12/15/2009	11/389,307	US	COMMUNICATION DATA METHOD AND SYSTEM FOR VOICE APPLICATIONS EXCECUTABLE BY USER EQUIPMENT.
200403197-1	Issued	2415579	6/23/2004	12/20/2006	0414062.0	GB	Cryptographic Method And Apparatus
200403197-2	Issued	7,986,778	6/23/2005	7/26/2011	11/166,921	US	Cryptographic Method And Apparatus
200403914-2	Issued	9,137,113	1/20/2006	9/15/2015	11/335,877	US	System And Method For Dynamically Allocating Resources
200404976-2	Issued	7,801,302	6/10/2005	9/21/2010	11/150,623	US	Cryptographic Method And Apparatus
200404976-4	Issued	602005003984.8	6/6/2005	12/26/2007	05104894.0	DE	Cryptographic Method And Apparatus

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200404976-5	Issued	1605626	6/6/2005	12/26/2007	05104894.0	FR	Cryptographic Method And Apparatus
200404976-6	Issued	1605626	6/6/2005	12/26/2007	05104894.0	GB	Cryptographic Method And Apparatus
200405115-4	Issued	7,554,080	7/13/2005	6/30/2009	11/632,596	US	ENTANGLEMENT PROCESSES AND SYSTEM
200405859-2	Issued	7,962,789	6/28/2006	6/14/2011	11/476,259	US	Method And Apparatus For Automated Testing Of A Utility Computing System
200406045-1	Issued	2419700	10/29/2004	3/31/2010	0424137.8	GB	Method For Indexing Data, Systems, Softward And Apparatus Relating Thereto
200406045-2	Issued	8,892,564	10/28/2005	11/18/2014	11/261,752	US	INDEXING FOR DATA HAVING INDEXABLE AND NON-INDEXABLE PARENT NODES
200406808-1	Issued	2422218	1/14/2005	12/23/2009	0500716.6	GB	Provision of services over a common delivery platform such as a mobile telephony network
200406808-2	Issued	8,291,077	1/13/2006	10/16/2012	11/331,858	US	PROVISION OF SERVICES OVER A COMMON DELIVERY PLATFORM SUCH AS A MOBILE TELEPHONY NETWORK
200407104-1	Issued	2418326	9/17/2004	4/11/2007	0420664.5	GB	Network Virtualization

200407104-3	Abandoned	8,223,770	8/3/2005	7/17/2012	11/575,382	US	Network Virtualization
200407421-2	Abandoned	8,213,429	8/3/2005	7/3/2012	11/575,395	US	Virtual Network Interface
200407497-1	Issued	2422217	1/14/2005	12/23/2009	0500715.8	GB	Provision of services over a common delivery platform such as a mobile telephony network
200407497-2	Issued	8,904,000	1/13/2006	12/2/2014	11/331,946	US	Provision Of Services Over A Common Delivery Platform Such As A Mobile Telephony Network
200407528-2	Abandoned	8,274,912	8/3/2005	9/25/2012	11/575,397	US	Mapping Discovery For Virtual Network
200407612-4	Issued	8,544,002	10/28/2005	9/24/2013	11/718,196	US	Managing Virtual Overlay Infrastructures
200407659-3	Abandoned	7,685,125	10/6/2005	3/23/2010	11/664,466	US	Proving Relationships Between Data
200500366-3	Issued	9,083,748	12/14/2005	7/14/2015	11/302,637	US	Modelling Network To Assess Security Properties
200500429-1	Issued	9,311,367	3/30/2005	4/12/2016	11/096,577	US	Database Extension Structure

200500762-2	Issued	8,832,072	5/25/2006	9/9/2014	11/440,118	US	Client And Method For Database
200501112-2	Issued	8,161,558	4/25/2006	4/17/2012	11/411,685	US	Network Management And Administration
200501112-4	Issued	602006001680.8	4/27/2006	7/9/2008	06113237.9	DE	Network Management And Administration
200501112-6	Issued	1720315	4/27/2006	7/9/2008	06113237.9	GB	Network Management And Administration
200501635-1	Issued	2426841	6/4/2005	7/14/2010	0511438.4	GB	Memory Controller
200501635-2	Issued	7,461,216	2/23/2006	12/2/2008	11/359,501	US	Memory Controller
200504767-1	Abandoned	2428533	6/24/2005	8/22/2007	0512832.7	GB	Determining Data Flows In A Network
200505056-1	Issued	2431741	10/27/2005	11/3/2010	0521898.7	GB	A METHOD OF DIGITALLY SIGNING DATA AND A DATA REPOSITORY STORING DIGITALLY SIGNED DATA
200505056-2	Issued	8,028,163	7/26/2006	9/27/2011	11/493,005	US	A METHOD OF DIGITALLY SIGNING DATA AND A DATA REPOSITORY STORING DIGITALLY SIGNED DATA

200505607-2	Issued	8,261,332	7/8/2008	9/4/2012	12/169,113	US	ESTABLISHING A TRUST RELATIONSHIP BETWEEN COMPUTING ENTITIES
200505650-1	Issued	2431770	10/31/2005	9/21/2011	0522227.8	GB	Emulated Tape-based Storage Media
200505650-2	Issued	7,519,767	5/30/2006	4/14/2009	11/442,128	US	Emulated Tape-based Storage Media
200505874-1	Issued	2434888	2/2/2006	7/13/2011	0602020.0	GB	Restoring A Client Device
200505874-2	Issued	7,694,169	1/31/2007	4/6/2010	11/700,126	US	Restoring A Client Device
200505999-1	Issued	8,396,966	10/26/2005	3/12/2013	11/260,514	US	METHOD AND AN APPARATUS FOR CREATING VISUAL REPRESENTATIONS OF FARMS THAT ENABLES CONNECTING FARMS SECURELY
200506050-3	Issued	8,135,276	8/11/2006	3/13/2012	11/990,421	US	QUANTUM REPEATER
200506117-1	Issued	7,836,007	1/30/2006	11/16/2010	11/343,639	US	Methods For Preparing Entangled Quantum States
200507238-2	Issued	8,842,839	7/21/2006	9/23/2014	11/490,853	US	Device With Multiple One-time Pads And Method Of Managing Such A Device

200507239-2	Abandoned	8,250,363	7/21/2006	8/21/2012	11/490,852	US	Method Of Provisioning Devices With One-time Pad Data, Device For Use In Such Method, And Service Usage Tracking Based On One-time Pad Data
200602101-1	Abandoned	7,769,173	10/30/2006	8/3/2010	11/590,493	US	Methods And Systems For Executing Bit-commitment Protocols That Are Based On Entangled Quantum States And A Third Party
200602334-1	Issued	8,095,630	3/20/2007	1/10/2012	11/725,715	US	Network Booting
200603381-1	Issued	2446172	1/30/2007	1/21/2009	0701685.0	GB	Control Of Data Transfer
200603381-2	Issued	8,650,339	11/27/2007	2/11/2014	11/945,458	US	Control Of Data Transfer
200603884-4	Issued	8,369,247	1/29/2008	2/5/2013	12/449,241	US	Method And System For Facilitating Multi-point Communications
200603884-5	Issued	200880003529.1	1/29/2008	3/5/2014	200880003529.1	CN	Method And System For Facilitating Multi-point Communications
200603986-4	Issued	8,504,018	1/29/2008	8/6/2013	12/449,244	US	Service Routing For Communication Systems
200603987-4	Issued	8,554,244	1/29/2008	10/8/2013	12/449,246	US	CONFIGURATION OF MOBILE COMMUNICATION DEVICES

200603987-5	Abandoned	200880003636.4	1/29/2008	2/15/2017	200880003636.4	CN	CONFIGURATION OF MOBILE COMMUNICATION DEVICES
200700240-2	Issued	101855636	10/25/2007	3/16/2016	200780101502.1	CN	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200700240-3	Issued	112007003645	10/25/2007	6/16/2011	112007003645.1	DE	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200700240-5	Issued	9,372,941	10/25/2007	6/21/2016	12/671,322	US	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200700350-1	Issued	7,835,900	4/27/2007	11/16/2010	11/741,086	US	Emulated Tape-based Storage Media
200700455-1	Issued	8,904,341	4/30/2007	12/2/2014	11/741,878	US	DERIVING GROUNDED MODEL OF BUSINESS PROCESS SUITABLE FOR AUTOMATIC DEPLOYMENT
200700652-5	Issued	8,689,318	1/21/2008	4/1/2014	12/524,563	US	TRUSTED COMPUTING ENTITIES
200701071-2	Issued	8,150,851	10/27/2008	4/3/2012	12/258,638	US	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701133-2	Issued	101855620	10/25/2007	6/12/2013	200780101503.6	CN	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA

200701133-3	Issued	2466581	10/25/2007	1/9/2013	1000248.3	GB	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701133-4	Issued	112007003678	10/25/2007	2/25/2016	112007003678.8	DE	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701134-2	Issued	8,332,404	10/24/2008	12/11/2012	12/257,659	US	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701135-2	Issued	200780101501.7	10/25/2007	4/26/2017	200780101501.7	CN	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701135-3	Issued	2466580	10/25/2007	1/2/2013	1000247.5	GB	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701135-4	Issued	112007003693	10/25/2007	5/15/2014	112007003693.1	DE	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701135-5	Issued	8,838,541	10/25/2007	9/16/2014	12/671,334	US	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701136-2	Issued	8,099,573	10/22/2008	1/17/2012	12/256,329	US	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701318-2	Issued	8,140,637	9/26/2008	3/20/2012	12/239,263	US	DATA TRANSFER

200701320-1	Issued	7,984,236	9/13/2007	7/19/2011	11/854,731	US	DATA TRANSFER
200701587-1	Issued	8,032,033	10/23/2007	10/4/2011	11/977,369	US	Synchronous Optical Bus Providing Communication Between Computer System Components
200702339-4	Issued	8,161,154	9/30/2008	4/17/2012	12/241,435	US	Establishing A Thin Client Terminal Services Session
200702547-2	Issued	10,572,188	10/1/2008	2/25/2020	12/243,022	US	Server-embedded Distributed Storage System
200702599-2	Issued	8,522,002	1/28/2008	8/27/2013	12/811,198	US	SYSTEMS AND METHODS FOR DEPLOYMENT OF BOOT IMAGES IN DISKLESS SERVERS
200702599-3	Issued	101925876	1/28/2008	6/12/2013	200880125785.8	CN	DEPLOYMENT OF BOOT IMAGES IN DISKLESS SERVERS
200702599-5	Issued	2467721	1/28/2008	6/12/2013	1010537.7	GB	DEPLOYMENT OF BOOT IMAGES IN DISKLESS SERVERS
200703074-1	Issued	8,059,443	10/23/2007	11/15/2011	11/975,963	US	Three-dimensional Memory Module Architectures
200703074-3	Abandoned	101836257	10/23/2008	12/11/2013	200880112836.3	CN	Three-dimensional Memory Module Architectures

200703074-5	Abandoned	5280455	10/23/2008	5/31/2013	2010-531048	JP	Three-dimensional Memory Module Architectures
200703074-6	Abandoned	101574358	10/23/2008	11/27/2015	2010-7009034	KR	Three-dimensional Memory Module Architectures
200703495-3	Issued	8,817,787	1/28/2009	8/26/2014	12/361,204	US	Data Processing Method And System
200703934-1	Issued	8,170,214	10/1/2008	5/1/2012	12/286,854	US	QKD Transmitter And Transmission Method
200703966-3	Abandoned	200880113950.8	10/14/2008	9/25/2013	200880113950.8	CN	QUANTUM KEY DISTRIBUTION SYSTEM USING LDPC CODES WITH A GRAPH HAVING A TOROID STRUCTURE
200703966-6	Abandoned	8,332,730	10/14/2008	12/11/2012	12/740,341	US	Quantum Key Distribution System Using LDPC Codes With A Graph Having A Toroid Structure
200703983-4	Issued	102027697	3/10/2008	12/3/2014	200880129118.7	CN	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703983-6	Abandoned	5160654	3/10/2008	12/21/2012	2010-550641	JP	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703983-7	Abandoned	10-1388801	3/10/2008	4/17/2014	2010-7022611	KR	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same

200703983-8	Issued	8,472,802	3/10/2008	6/25/2013	12/921,763	US	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703994-3	Abandoned	0821180-9	3/11/2008	1/22/2019	PI0821180-9	BR	Optoelectronic Switches Using On-chip Optical Waveguides
200703994-4	Abandoned	102027399	3/11/2008	3/27/2013	200880129150.5	CN	Optoelectronic Switches Using On-chip Optical Waveguides
200703994-5	Issued	327540	3/11/2008	12/17/2019	6412/DELNP/2010	IN	Optoelectronic Switches Using On-chip Optical Waveguides
200703994-7	Abandoned	101465293	3/11/2008	11/19/2014	2010-7022707	KR	Optoelectronic Switches Using On-chip Optical Waveguides
200703994-8	Issued	8,938,139	3/11/2008	1/20/2015	12/921,768	US	Optoelectronic Switches Using On-chip Optical Waveguides
200704016-1	Issued	2458154	3/7/2008	6/27/2012	0804253.3	GB	Routing Across A Virtual Network
200704016-2	Issued	8,370,834	3/9/2009	2/5/2013	12/400,491	US	Routing Across A Virtual Network
200704017-1	Issued	2458157	3/7/2008	4/25/2012	0804259.0	GB	Virtual Machine Liveness Check

200704017-2	Issued	8,627,313	3/9/2009	1/7/2014	12/400,510	US	Virtual Machine Liveness Check
200704228-1	Issued	2459433	3/7/2008	6/6/2012	0804263.2	GB	Distributed Network Connection Policy Management
200704228-2	Issued	9,178,850	3/9/2009	11/3/2015	12/400,526	US	Distributed Network Connection Policy Management
200704591-1	Issued	2455496	10/31/2007	5/30/2012	0721310.1	GB	Error Detection Method And Apparatus
200704591-2	Issued	8,205,134	9/30/2008	6/19/2012	12/286,492	US	Error Detection Method And Apparatus
200800252-1	Issued	8,677,375	1/29/2009	3/18/2014	12/362,202	US	SELECTING EXECUTING REQUESTS TO PREEMPT
200800266-2	Issued	8,156,063	9/29/2008	4/10/2012	12/240,593	US	DECISION MAKING BASED ON CHANGES INPUT TO A DATABASE
200800277-2	Issued	8,918,670	10/29/2008	12/23/2014	12/260,609	US	Active Link Verification For Failover Operations In A Storage Network
200800998-1	Abandoned	9,015,204	7/15/2009	4/21/2015	12/503,794	US	ONBOARDING RESOURCES TO AN IDENTITY MANAGEMENT SYSTEM

200801017-1	Issued	8,117,343	10/28/2008	2/14/2012	12/260,024	US	Landmark Chunking Of Landmarkless Regions
200801241-1	Issued	8,316,289	1/29/2009	11/20/2012	12/361,669	US	Updating Sequential Data
200801450-1	Issued	8,127,124	3/19/2009	2/28/2012	12/407,642	US	Remote Configuration Of Computing Platforms
200801576-1	Issued	2464966	10/31/2008	8/29/2012	0819995.2	GB	Policy Enforcement In Trusted Platforms
200801867-1	Issued	8,448,181	1/30/2009	5/21/2013	12/363,581	US	Sizing An Infrastructure Configuraton Optimized For A Workload Mix
200801868-1	Issued	8,055,493	1/30/2009	11/8/2011	12/363,597	US	Sizing An Infrastructure Configuration Optimized For A Workload Mix Using A Predictive Model
200801918-1	Issued	8,312,419	10/30/2008	11/13/2012	12/261,324	US	AUTOMATED LIFECYCLE MANAGEMENT OF A COMPUTER IMPLEMENTED SERVICE
200802159-1	Issued	9,294,296	1/30/2009	3/22/2016	12/363,558	US	AUTOMATED TEST EXECUTION IN A SHARED VIRTUALIZED RESOURCE POOL
200802552-1	Issued	9,323,473	1/9/2009	4/26/2016	12/351,164	US	Virtual Tape Library

200802665-1	Issued	2466071	12/15/2008	11/13/2013	0822726.6	GB	Associating A Signing Key With A Software Component Of A Computing Platform
200802665-2	Issued	9,361,462	12/15/2009	6/7/2016	12/638,726	US	Associating A Signing Key With A Software Component Of A Computing Platform
200802879-1	Issued	7,977,622	2/9/2009	7/12/2011	12/322,896	US	TUNING AN OPTICAL RESONATOR USING A FEEDBACK SIGNAL REPRESENTING AN AVERAGE DC BALANCED CODING
200803093-1	Issued	8,655,827	10/29/2009	2/18/2014	12/608,878	US	QUESTIONNAIRE GENERATION
200803195-1	Issued	9,559,842	9/30/2008	1/31/2017	12/242,104	US	Trusted Key Management For Virtualized Platforms
200803229-1	Issued	2466178	12/5/2008	10/10/2012	0822213.5	GB	Data Centre And Apparatus And Method For Data Centre Cooling
200803499-2	Issued	2470081	6/30/2009	7/29/2015	0911271.5	GB	Quantum Repeater And System And Method For Creating Extended Entanglements
200803630-1	Issued	7,979,491	3/27/2009	7/12/2011	12/412,821	US	Producing Chunks From Input Data Using A Plurality Of Processing Elements
200900314-2	Issued	8,566,519	7/9/2010	10/22/2013	12/833,594	US	Providing Preferred Seed Data For Seeding A Data Deduplicating Storage System

200900462-1	Issued	9,026,803	11/30/2009	5/5/2015	12/627,500	US	Computing Entities, Platforms And Methods Operable To Perform Operations Selectively Using Different Cryptographic Algorithms
200901410-1	Abandoned	8,285,578	1/21/2004	10/9/2012	10/763,072	US	Managing Information Technology (IT) Infrastructure Of An Enterprise Using A Centralized Logistics And Management (CLAM) Tool
200901883-1	Issued	8,255,904	12/8/2006	8/28/2012	11/635,906	US	SYSTEM AND METHOD FOR GENERATING A DISTRIBUTABLE SOFTWARE PACKAGE
200902399-1	Issued	8,427,980	7/21/2010	4/23/2013	12/841,039	US	Methods And Apparatus To Determine And Implement Multidimensional Network Topologies
200902408-1	Issued	8,130,754	7/10/2009	3/6/2012	12/501,000	US	ON-CHIP AND CHIP-TO-CHIP ROUTING USING A PROCESSOR ELEMENT/ROUTER COMBINATION
200902415-1	Issued	8,537,677	10/13/2009	9/17/2013	12/577,972	US	Incremental Adaptive Packet Routing In A Multi-dimensional Network
200903516-1	Issued	9,740,704	1/28/2010	8/22/2017	12/695,261	US	Method And Apparatus For Random Access Of Data Stored In A Sequential Manner
200903527-1	Issued	8,660,994	1/28/2010	2/25/2014	12/695,285	US	Selective Data Deduplication
200903536-1	Issued	8,589,475	1/28/2010	11/19/2013	12/695,622	US	MODELING A CLOUD COMPUTING SYSTEM

200904480-1	Issued	8,499,131	4/13/2010	7/30/2013	12/759,174	US	Capping A Number Of Locations Referred To By Chunk References
200904482-1	Issued	8,782,368	5/11/2010	7/15/2014	12/777,478	US	Storing Chunks In Containers
200904629-1	Issued	2481807	7/6/2010	3/25/2015	1011319.9	GB	Protecting File Entities In A Networked System
201000023-1	Issued	8,812,400	7/9/2010	8/19/2014	12/833,438	US	Managing A Memory Segment Using A Memory Virtual Appliance
201000081-1	Issued	8,705,972	5/11/2010	4/22/2014	12/777,500	US	ENERGY-EFFICIENT AND FAULT-TOLERANT RESONATOR-BASED MODULATION AND WAVELENGTH DIVISION MULTIPLEXING SYSTEMS
201000102-1	Issued	8,391,717	5/24/2010	3/5/2013	12/785,962	US	Flow-control Methods And Systems For Multibus Systems
201000778-1	Issued	8,850,593	5/12/2011	9/30/2014	13/106,719	US	DATA MANAGEMENT
201000788-1	Issued	9,558,103	8/25/2011	1/31/2017	13/217,892	US	SYSTEM AND METHOD TO INDICATE CODE BLOCK EXECUTION
201001445-1	Issued	9,009,724	9/24/2010	4/14/2015	12/889,727	US	Load Balancing Data Access In Virtualized Storage Nodes

201001960-1	Issued	9,639,540	2/25/2011	5/2/2017	13/034,900	US	Retention Management in a WORM Storage System
201004652-2	Issued	7,818,564	5/3/2005	10/19/2010	11/121,231	US	DECIPHERING OF FRAGMENTED ENCIPHERED DATA PACKETS
201004654-2	Issued	8,331,404	10/25/2007	12/11/2012	11/923,869	US	Signature Checking Using Deterministic Finite State Machines
201004979-1	Issued	8,519,803	10/29/2010	8/27/2013	12/915,598	US	RESONATOR SYSTEMS AND METHODS FOR TUNING RESONATOR SYSTEMS
201005199-1	Issued	8,397,302	10/29/2010	3/12/2013	12/916,265	US	SYSTEM AND METHOD FOR ANALYZING A PROCESS
201005200-1	Issued	9,607,155	10/29/2010	3/28/2017	12/916,277	US	METHOD AND SYSTEM FOR ANALYZING AN ENVIRONMENT
300110618-3	Abandoned	2399906	2/26/2004	10/4/2006	0404218.0	GB	Method And System For Delegating Authority And Access Control Methods Based On Delegated Authority
300110618-4	Issued	7,516,321	3/8/2004	4/7/2009	10/797,715	US	Method, System And Device For Enabling Delegation Of Authority And Access Control Methods Based On Delegated Authority
300111166-4	Abandoned	7,650,498	4/14/2004	1/19/2010	10/825,596	US	SECURE DATA PROVISION METHOD AND APPARATUS AND DATA RECOVERY METHOD AND SYSTEM

300200017-2	Issued	7,835,724	9/9/2003	11/16/2010	10/657,237	US	METHOD AND APPARATUS FOR AUTHENTICATING SERVICE TO A WIRELESS COMMUNICATIONS DEVICE
300201524-1	Abandoned	2389479	6/7/2002	12/28/2005	0213072.2	GB	METHOD OF SERVING OUT VIDEO OVER A NETWORK OF VIDEO SERVERS
300201524-2	Issued	7,441,261	6/6/2003	10/21/2008	10/455,405	US	VIDEO SYSTEM VARYING OVERALL CAPACITY OF NETWORK OF VIDEO SERVERS FOR SERVING SPECIFIC VIDEO
300202276-2	Issued	7,143,316	4/8/2003	11/28/2006	10/409,239	US	Fault Diagnosis In A Network
300202355-4	Abandoned	60316861.2	3/28/2003	10/17/2007	03251967.0	DE	Method And Apparatus For Encrypting/decrypting Data
300202355-6	Abandoned	1355445	3/28/2003	10/17/2007	03251967.0	GB	Method And Apparatus For Encrypting/decrypting Data
300202699-3	Issued	7,650,494	7/2/2003	1/19/2010	10/613,522	US	Method And Apparatus For Use In Relation To Verifying An Association Between Two Parties
300202699-6	Issued	2401763	7/4/2003	8/10/2005	0417136.9	GB	Trusted Authority For Identifier-Based Cryptography
300202699-7	Issued	60326027.6	7/1/2003	1/28/2009	03254190.6	DE	Authentication Method And Apparatus Using Pairing Functions For The Elliptic Curves Based Cryptosystems

300202699-8	Issued	1378821	7/1/2003	1/28/2009	03254190.6	FR	Authentication Method And Apparatus Using Pairing Functions For The Elliptic Curves Based Cryptosystems
300203841-1	Abandoned	2401959	5/23/2003	2/22/2006	0311874.2	GB	Data Log For Peer-to-peer Network
200703285DE01	Issued	112008003858	5/9/2008	11/21/2019	112008003858.9-51	DE	Proximity Free Space Optical Interconnect
200703285JP01	Abandoned	5118771	5/9/2008	10/26/2012	2011-508457	JP	Proximity Free Space Optical Interconnect
200703285KR01	Issued	101394844	5/9/2008	5/7/2014	2010-7027654	KR	Proximity Free Space Optical Interconnect
200703285US01	Issued	8,571,366	5/9/2008	10/29/2013	12/991,644	US	PROXIMITY FREE SPACE OPTICAL INTERCONNECT
200704234US01	Issued	8,774,625	8/8/2008	7/8/2014	13/058,024	US	Method And Systems For Implementing High-radix Switch Topologies On Relatively Lower-radix Switch Physical Networks
200402333US03	Issued	8,166,171	3/16/2005	4/24/2012	13/045,216	US	Provision Of Resource Allocation Information
201000074TW01	Abandoned	I451143	5/18/2011	9/1/2014	100117350	TW	Optical Interconnect Fabrics And Optical Switches

700205948US01	Issued	8,667,236	9/29/2010	3/4/2014	12/893,335	US	HOST BASED WRITE ORDERING FOR ASYNCHRONOUS REPLICATION
201000912GB01	Issued	2490483	4/26/2011	5/29/2019	1106932.5	GB	Digital Signature Method And System
200803229AU01	Issued	2009321637	11/13/2009	11/7/2013	2009321637	AU	Data Centre And Apparatus And Method For Data Centre Cooling
200803229BR01	Issued	0916505-3	11/13/2009	1/22/2019	PI0916505-3	BR	Data Centre And Apparatus And Method For Data Centre Cooling
200803229CN01	Issued	102282428	11/13/2009	1/22/2014	200980148656.5	CN	Data Centre And Apparatus And Method For Data Centre Cooling
200803229IN01	Issued	326786	11/13/2009	12/4/2019	2293/CHENP/2011	IN	Data Centre And Apparatus And Method For Data Centre Cooling
200803229KR01	Issued	101564480	11/13/2009	10/23/2015	2011-7012823	KR	Data Centre And Apparatus And Method For Data Centre Cooling
200803229US01	Issued	8,634,963	11/13/2009	1/21/2014	13/132,866	US	Data Centre And Apparatus And Method For Data Centre Cooling
700205424US01	Issued	8,589,648	7/7/2011	11/19/2013	13/177,693	US	PERFORMING A COPY OPERATION ON A REPLICATED VIRTUAL CARTRIDGE

200802144CN01	Issued	102203692	10/31/2008	7/15/2015	200880131782.5	CN	Prioritized Optical Arbritration Systems And Methods
200802144JP01	Abandoned	5324660	10/31/2008	7/26/2013	2011-534463	JP	Prioritized Optical Arbritration Systems And Methods
200802144KR01	Abandoned	101444514	10/31/2008	9/18/2014	2011-7009758	KR	Prioritized Optical Arbritration Systems And Methods
200802144US01	Issued	8,938,169	10/31/2008	1/20/2015	13/126,747	US	Prioritized Optical Arbritration Systems And Methods
200703966DE01	Issued	602008005935.9	10/14/2008	3/30/2011	08806753.3	DE	Data Processing Arrangements For Use In Data Communication Apparatus In Connection With Error Correction
200703966GB02	Abandoned	2227862	10/14/2008	3/30/2011	08806753.3	GB	Data Processing Arrangements For Use In Data Communication Apparatus In Connection With Error Correction
200904629US01	Issued	8,769,609	7/5/2011	7/1/2014	13/176,581	US	Protecting File Entities
201005787US01	Issued	8,589,200	6/28/2011	11/19/2013	13/171,145	US	MANAGING AN INFORMATION TECHNOLOGY SYSTEM
200802881US01	Issued	8,660,390	1/27/2009	2/25/2014	13/146,473	US	REDUNDANT RING RESONATORS OF VARYING DIMENSIONS TO REDUCE RING RESONATOR TUNING REQUIREMENTS

700206991US01	Issued	8,868,910	2/9/2012	10/21/2014	13/370,190	US	ELLIPTIC CURVE CRYPTOGRAPHIC SIGNATURE
200902804US01	Issued	8,705,911	5/6/2009	4/22/2014	13/258,425	US	BUS-BASED SCALABLE OPTICAL FABRICS
200902589US01	Issued	8,485,738	7/31/2009	7/16/2013	13/258,599	US	Optical Fiber Connector
200903275US01	Issued	9,165,034	10/15/2009	10/20/2015	13/259,498	US	HETEROGENEOUS DATA SOURCE MANAGEMENT
200903366US01	Issued	9,264,226	10/26/2009	2/16/2016	13/387,111	US	Method And Apparatus For Selectively Routing Entanglement Building
200803285US01	Issued	8,774,638	7/31/2009	7/8/2014	13/260,095	US	PHOTONIC QUANTUM SYSTEM ALIGNMENT USING MULTIPLE BEAMS
200904501TW01	Issued	I467258	10/7/2011	1/1/2015	100136479	TW	ELECTRONIC SYSTEM AND METHOD FOR IMPLEMENTING THE SAME
700206164US01	Issued	9,053,577	10/27/2011	6/9/2015	13/282,564	US	REFLECTING VALUES FOR A METRIC IN A DISPLAY
700208756US01	Issued	9,098,325	2/28/2012	8/4/2015	13/407,050	US	PERSISTENT VOLUME AT AN OFFSET OF A VIRTUAL BLOCK DEVICE OF A STORAGE SERVER

700208755US01	Issued	9,158,568	1/30/2012	10/13/2015	13/360,956	US	INPUT/OUTPUT OPERATIONS AT A VIRTUAL BLOCK DEVICE OF A STORAGE SERVER
201005054TW01	Issued	I467254	1/11/2012	1/1/2015	101101088	TW	COMPOSITE PROCESSORS
200803285CN01	Issued	200980160706.1	7/31/2009	6/3/2015	200980160706.1	CN	PHOTONIC QUANTUM SYSTEM ALIGNMENT USING MULTIPLE BEAMS
200903705CN01	Issued	102576130	12/21/2009	4/9/2014	200980161291.X	CN	CIRCUIT SWITCHED OPTICAL INTERCONNECTION FABRIC
200903705US01	Issued	8,885,991	12/21/2009	11/11/2014	13/384,878	US	CIRCUIT SWITCHED OPTICAL INTERCONNECTION FABRIC
200801450US02	Issued	8,370,610	2/24/2012	2/5/2013	13/405,098	US	Remote Configuration Of Computing Platforms
201000525US01	Abandoned	8,654,980	1/28/2011	2/18/2014	13/387,361	US	QUANTUM KEY DISTRIBUTION METHOD AND APPARATUS
200701318US03	Expired	9,665,434	2/7/2012	5/30/2017	13/367,567	US	COMMUNICATING CHUNKS BETWEEN DEVICES
30006603DE01	Expired	60243457.2	6/12/2002	8/8/2012	02254078.5	DE	Performing Secure And Insecure Computing Operations In A Compartmented Operating System

201000912US01	Issued	8,930,704	4/10/2012	1/6/2015	13/443,285	US	Digital Signature Method And System
201000075CN01	Issued	102907057	5/20/2010	12/2/2015	201080066907.8	CN	SWITCHING IN A NETWORK DEVICE
201000075US01	Abandoned	8,942,559	5/20/2010	1/27/2015	13/696,631	US	SWITCHING IN A NETWORK DEVICE
700209596US01	Issued	8,725,749	7/24/2012	5/13/2014	13/556,684	US	MATCHING REGULAR EXPRESSIONS INCLUDING WORD BOUNDARY SYMBOLS
700209961US01	Issued	9,015,433	7/31/2012	4/21/2015	13/563,223	US	RESILIENCY WITH A DESTINATION VOLUME IN A REPLICATION ENVIRONMENT
200904882US01	Issued	8,990,900	6/23/2010	3/24/2015	13/805,160	US	Authorization Control
700211598US01	Issued	9,792,182	1/31/2013	10/17/2017	13/755,664	US	CHECKPOINT GENERATION
700211620US01	Issued	9,575,542	1/31/2013	2/21/2017	13/755,527	US	Computer Power Management
201000205CN01	Issued	102934097	10/8/2010	4/20/2016	201080067520.4	CN	DATA DEDUPLICATION

201000205US02	Issued	8,799,238	10/8/2010	8/5/2014	13/634,757	US	DATA DEDUPLICATION
201004654US03	Issued	8,665,911	11/2/2012	3/4/2014	13/668,001	US	Signature checking using deterministic finite state machines
700205948CN01	Issued	103124961	9/28/2011	6/29/2016	201180047258.1	CN	HOST BASED WRITE ORDERING FOR ASYNCHRONOUS REPLICATION
201000074US01	Issued	9,354,412	5/19/2010	5/31/2016	13/697,760	US	OPTICAL INTERCONNECT FABRICS AND OPTICAL SWITCHES
700212582US01	Issued	8,943,353	1/31/2013	1/27/2015	13/756,155	US	ASSIGNING NODES TO JOBS BASED ON RELIABILITY FACTORS
200803229FR01	Issued	2352953	11/13/2009	1/2/2013	09775127.5	FR	Data Centre And Apparatus And Method For Data Centre Cooling
200803229DE01	Issued	602009012528.1	11/13/2009	1/2/2013	09775127.5	DE	Data Centre And Apparatus And Method For Data Centre Cooling
200803229GB02	Issued	2352953	11/13/2009	1/2/2013	09775127.5	GB	Data Centre And Apparatus And Method For Data Centre Cooling
700207697TW01	Issued	I559041	1/28/2013	11/21/2016	102103081	TW	HYBRID ELECTRO-OPTICAL PACKAGE FOR AN OPTO-ELECTRONIC ENGINE

201000810US01	Issued	9,166,893	9/23/2010	10/20/2015	13/818,850	US	METHODS, APPARATUS AND SYSTEMS FOR MONITORING LOCATIONS OF DATA WITHIN A NETWORK SERVICE
700212980US01	Issued	9,514,150	4/19/2013	12/6/2016	13/866,732	US	AUTOMATIC WORM-RETENTION STATE TRANSITIONS
200703074DE01	Issued	602008023941.1	10/23/2008	4/17/2013	08842157.3	DE	Three-dimensional Memory Module Architectures
200703074GB01	Issued	2212887	10/23/2008	4/17/2013	08842157.3	GB	Three-dimensional Memory Module Architectures
200904501CN01	Issued	103221861	10/8/2010	3/11/2015	201080070325.7	CN	ELECTRONIC SYSTEM HAVING FANOUT OPTICAL BUSES
200904501US01	Abandoned	9,014,567	10/8/2010	4/21/2015	13/877,641	US	ELECTRONIC SYSTEM HAVING FANOUT OPTICAL BUSES
201001417JP01	Abandoned	5690411	10/27/2010	2/6/2015	2013-536572	JP	RECEIVERS AND TRANSCEIVERS FOR OPTICAL MULTIBUS SYSTEMS
201001417US01	Issued	9,178,642	10/27/2010	11/3/2015	13/881,004	US	RECEIVERS AND TRANSCEIVERS FOR OPTICAL MULTIBUS SYSTEMS
201001755US01	Issued	9,064,129	4/7/2011	6/23/2015	13/882,692	US	Managing Data

200703983US09	Issued	8,805,189	5/20/2013	8/12/2014	13/898,111	US	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
201005054CN01	Issued	103299290	1/20/2011	11/25/2015	201180064918.7	CN	COMPOSITE PROCESSORS
201005054US01	Issued	8,929,694	1/20/2011	1/6/2015	13/978,039	US	COMPOSITE PROCESSORS
200703285US02	Issued	8,755,656	8/7/2013	6/17/2014	13/961,171	US	PROXIMITY FREE SPACE OPTICAL INTERCONNECT
700206063CN01	Issued	103563329	6/7/2011	4/12/2017	201180071448.7	CN	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700206063US01	Issued	9,304,798	6/7/2011	4/5/2016	14/122,164	US	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
201001768JP01	Issued	5990264	6/16/2011	8/19/2016	2014-514445	JP	System and Method for Policy Generation
201001768US01	Issued	10,536,483	6/16/2011	1/14/2020	14/118,847	US	System and Method for Policy Generation
700205826US01	Issued	9,203,621	7/11/2011	12/1/2015	14/125,685	US	POLICY-BASED DATA MANAGEMENT

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700206167JP01	Issued	5710075	7/29/2011	3/13/2015	2014-522804	JP	CREDENTIAL VALIDATION
700206167US01	Issued	9,268,968	7/29/2011	2/23/2016	14/234,334	US	CREDENTIAL VALIDATION
200700652FR01	Abandoned	2126770	1/21/2008	3/19/2014	08702121.8	FR	TRUSTED COMPUTING ENTITIES
200700652DE01	Issued	602008030950.9	1/21/2008	3/19/2014	08702121.8	DE	TRUSTED COMPUTING ENTITIES
200700652GB03	Issued	2126770	1/21/2008	3/19/2014	08702121.8	GB	TRUSTED COMPUTING ENTITIES
700207697US01	Issued	9,335,500	1/31/2012	5/10/2016	14/365,294	US	HYBRID ELECTRO-OPTICAL PACKAGE FOR AN OPTO-ELECTRONIC ENGINE
700208369US01	Issued	9,514,290	3/30/2012	12/6/2016	14/371,665	US	AUTHORIZATION CACHE
700206575CN01	Issued	104067239	2/2/2012	5/10/2017	201280068663.6	CN	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION
700206575US01	Issued	9,672,218	2/2/2012	6/6/2017	14/364,440	US	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION

700209845US01	Issued	9,824,131	3/15/2012	11/21/2017	14/373,848	US	REGULATING A REPLICATION OPERATION
700209846CN01	Abandoned	201280068688.6	4/24/2012	8/2/2019	201280068688.6	CN	Determining A Schedule For A Job To Replicate An Object Stored On A Storage Appliance
700208013CN01	Issued	201280068732.3	4/12/2012	10/20/2017	201280068732.3	CN	RECONFIGURATION OF AN OPTICAL CONNECTION INFRASTRUCTURE
700207695US01	Issued	9,614,728	4/24/2012	4/4/2017	14/374,804	US	IDENTIFYING NETWORK COMMUNICATION PATTERNS
700207959US01	Issued	9,336,194	3/13/2012	5/10/2016	14/374,797	US	Submatch Extraction
700209343US01	Issued	10,020,998	4/27/2012	7/10/2018	14/387,985	US	DATA CENTER SERVICE ORIENTED NETWORKING
700207731US01	Issued	9,430,157	2/29/2012	8/30/2016	14/381,291	US	Continuous Recording Multichannel Disk-based Data Logging
200407497US03	Issued	9,294,867	10/31/2014	3/22/2016	14/530,331	US	PROVISION OF SERVICES OVER A COMMON DELIVERY PLATFORM SUCH AS A MOBILE TELEPHONY NETWORK
700211386US01	Issued	9,596,302	7/20/2012	3/14/2017	14/394,544	US	MIGRATING APPLICATIONS BETWEEN NETWORKS

200802144US02	Issued	9,794,019	12/11/2014	10/17/2017	14/567,513	US	PRIORITIZED OPTICAL ARBITRATION SYSTEMS AND METHODS
700212686CN01	Issued	104798349	1/30/2013	8/7/2018	201380062446.0	CN	FAILOVER IN RESPONSE TO FAILURE OF A PORT
700212686US01	Issued	9,830,239	1/30/2013	11/28/2017	14/438,624	US	FAILOVER IN RESPONSE TO FAILURE OF A PORT
700211025US01	Issued	10,204,008	12/21/2012	2/12/2019	14/433,675	US	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
200900462US02	Issued	9,710,658	3/6/2015	7/18/2017	14/640,730	US	Computing Entities, Platforms And Methods Operable To Perform Operations Selectively Using Different Cryptographic Algorithms
700220555EM01	Issued	28789910001	11/27/2015	1/14/2016	002878991	EM	RDX MicroServer Module
700218700CN01	Issued	105577383	6/30/2015	12/3/2019	201510384886.9	CN	MANAGEMENT OF CRYPTOGRAPHIC KEYS
700218700GB01	Issued	2531848	6/11/2015	12/13/2017	1510175.1	GB	MANAGEMENT OF CRYPTOGRAPHIC KEYS
700218700US01	Issued	10,027,481	6/30/2015	7/17/2018	14/755,125	US	MANAGEMENT OF CRYPTOGRAPHIC KEYS

200603884FR01	Issued	2143259	1/29/2008	5/27/2015	08708351.5	FR	Method And System For Facilitating Multi-point Communications
200603884DE01	Issued	602008038318.0	1/29/2008	5/27/2015	08708351.5	DE	Method And System For Facilitating Multi-point Communications
200603884GB02	Issued	2143259	1/29/2008	5/27/2015	08708351.5	GB	Method And System For Facilitating Multi-point Communications
700208755US02	Issued	9,223,609	6/3/2015	12/29/2015	14/729,453	US	INPUT/OUTPUT OPERATIONS AT A VIRTUAL BLOCK DEVICE OF A STORAGE SERVER
700210840US01	Issued	9,832,550	1/31/2013	11/28/2017	14/764,960	US	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
700221895US01	Issued	10,686,817	9/21/2015	6/16/2020	15/754,282	US	IDENTIFICATION OF A DNS PACKET AS MALICIOUS BASED ON A VALUE
200704228US02	Issued	10,165,009	9/11/2015	12/25/2018	14/852,052	US	Distributed Network Connection Policy Management
700212144US01	Issued	10,452,567	4/29/2013	10/22/2019	14/785,749	US	NON-VOLATILE MEMORY TO STORE RESETTABLE DATA
700218553TW01	Issued	I616081	10/7/2015	2/21/2018	104133049	TW	ADMISSIONS CONTROL OF A DEVICE

700205826US02	Issued	9,628,516	10/21/2015	4/18/2017	14/919,258	US	POLICY-BASED DATA MANAGEMENT
700213474CN01	Abandoned	105339929	5/16/2013	12/3/2019	201380076635.3	CN	SELECTING A STORE FOR DEDUPLICATED DATA
700213474US01	Issued	10,592,347	5/16/2013	3/17/2020	14/787,086	US	SELECTING A STORE FOR DEDUPLICATED DATA
700213475CN01	Abandoned	201380076634.9	5/16/2013	11/8/2019	201380076634.9	CN	SELECTING A STORE FOR DEDUPLICATED DATA
700213475US01	Issued	10,496,490	5/16/2013	12/3/2019	14/787,763	US	SELECTING A STORE FOR DEDUPLICATED DATA
700213478CN01	Abandoned	201380076636.8	5/16/2013	1/8/2019	201380076636.8	CN	REPORTING DEGRADED STATE OF DATA RETRIEVED FOR DISTRIBUTED OBJECT
700213478US01	Issued	10,296,490	5/16/2013	5/21/2019	14/888,089	US	REPORTING DEGRADED STATE OF DATA RETRIEVED FOR DISTRIBUTED OBJECT
700214102US01	Abandoned	9,798,888	7/30/2013	10/24/2017	14/787,835	US	DATA MANAGEMENT
700206167US02	Issued	9,853,816	1/14/2016	12/26/2017	14/995,917	US	CREDENTIAL VALIDATION

700213881CN01	Issued	105408884	7/26/2013	3/29/2019	201380078505.3	CN	DATA VIEW BASED ON CONTEXT
700213881US01	Issued	10,027,632	7/26/2013	7/17/2018	14/905,422	US	DATA VIEW BASED ON CONTEXT
700213961US01	Issued	9,507,012	7/31/2013	11/29/2016	14/908,704	US	DETERMINING THE POSITION OF A MOBILE DEVICE WITHIN A STRUCTURE
700212379US01	Issued	9,871,749	8/9/2013	1/16/2018	14/911,081	US	SWITCH ASSEMBLY
700212379JP01	Issued	6235140	8/9/2013	11/2/2017	2016-533283	JP	SWITCH ASSEMBLY
710223798US01	Issued	10,142,109	8/16/2016	11/27/2018	15/238,562	US	Instantiating Containers
710223809US01	Issued	10,489,354	7/29/2016	11/26/2019	15/224,236	US	STORAGE SYSTEMS FOR CONTAINERS
700215556CN01	Issued	105683985	10/29/2013	12/21/2018	201380080310.2	CN	VIRTUAL MACHINE INTROSPECTION
700215556US01	Issued	10,089,474	10/29/2013	10/2/2018	15/021,032	US	VIRTUAL MACHINE INTROSPECTION

700214981CN01	Issued	105637486	10/31/2013	11/13/2018	201380080188.9	CN	MEMORY INTEGRITY CHECKING
700214981US01	Issued	10,089,498	10/31/2013	10/2/2018	15/021,022	US	MEMORY INTEGRITY CHECKING
700214729US01	Issued	10,242,042	10/31/2013	3/26/2019	15/021,040	US	COPY-ON-WRITE UPDATE-TRIGGERED CONSISTENCY
200802552US02	Issued	9,690,506	3/18/2016	6/27/2017	15/074,087	US	Virtual Tape Library
700214208US01	Issued	10,367,702	10/31/2013	7/30/2019	15/032,727	US	NETWORK DATABASE HOSTING
710223943US01	Issued	10,372,909	8/19/2016	8/6/2019	15/241,502	US	DETERMINING WHETHER PROCESS IS INFECTED WITH MALWARE
710223965US01	Issued	10,389,693	8/23/2016	8/20/2019	15/244,774	US	KEYS FOR ENCRYPTED DISK PARTITIONS
710224296US01	Issued	10,242,195	7/22/2016	3/26/2019	15/217,583	US	INTEGRITY VALUES FOR BEGINNING BOOTING INSTRUCTIONS
710224076US01	Issued	10,324,722	6/24/2016	6/18/2019	15/192,742	US	GLOBAL CAPABILITIES TRANSFERRABLE ACROSS NODE BOUNDARIES

710224025US01	Issued	10,261,919	7/8/2016	4/16/2019	15/205,326	US	SELECTIVE MEMORY ENCRYPTION
710224088US01	Issued	10,310,990	6/24/2016	6/4/2019	15/192,493	US	DIRECT MEMORY ACCESS ENCRYPTION WITH APPLICATION PROVIDED KEYS
710224071US01	Issued	10,671,668	7/11/2016	6/2/2020	15/206,637	US	INFERRING GRAPH TOPOLOGIES
710224191US01	Issued	10,365,974	9/16/2016	7/30/2019	15/267,899	US	ACQUISITION OF OBJECT NAMES FOR PORTION INDEX OBJECTS
710224568US01	Issued	10,461,926	8/31/2016	10/29/2019	15/252,392	US	CRYPTOGRAPHIC EVIDENCE OF PERSISTED CAPABILITIES
710224562US01	Issued	10,228,995	7/28/2016	3/12/2019	15/221,728	US	LAST WRITERS OF DATASETS IN STORAGE ARRAY ERRORS
700215841US01	Issued	10,680,848	1/29/2014	6/9/2020	15/113,892	US	MANAGING A NUMBER OF ETHERNET LINKS
700217317US01	Issued	10,567,221	5/15/2014	2/18/2020	15/116,674	US	NETWORK SCHEDULING
700216014US01	Issued	10,291,416	5/15/2014	5/14/2019	15/117,226	US	NETWORK TRAFFIC TUNING

700217207US01	Issued	10,140,194	3/20/2014	11/27/2018	15/114,900	US	STORAGE SYSTEM TRANSACTIONS
700215509US01	Issued	10,374,807	4/4/2014	8/6/2019	15/114,921	US	STORING AND RETRIEVING CIPHERTEXT IN DATA STORAGE
700215885US01	Issued	10,193,892	3/14/2014	1/29/2019	15/116,851	US	RESOURCE RESTRICTION
200903366FR01	Abandoned	2909955	10/26/2009	7/13/2016	09748459.6	FR	Method And Apparatus For Selectively Routing Entanglement Building
200903366DE01	Issued	602009039713.3	10/26/2009	7/13/2016	09748459.6	DE	Method And Apparatus For Selectively Routing Entanglement Building
200903366GB01	Abandoned	2909955	10/26/2009	7/13/2016	09748459.6	GB	Method And Apparatus For Selectively Routing Entanglement Building
700215735US01	Issued	10,270,883	3/27/2014	4/23/2019	15/119,508	US	SCHEDULING DOWNLOADS
700217207CN01	Issued	106104502	3/20/2014	3/22/2019	201480077273.4	CN	Storage System Transactions
710224650US01	Issued	10,209,892	11/28/2016	2/19/2019	15/361,939	US	STORAGE OF FORMAT-AWARE FILTER FORMAT TRACKING STATES

700214965US01	Issued	10,192,066	3/14/2014	1/29/2019	15/125,675	US	SEMANTIC RESTRICTION
710224250US01	Issued	10,372,897	10/20/2016	8/6/2019	15/298,494	US	ENCRYPTED CAPABILITIES STORED IN GLOBAL MEMORY
710224524US01	Issued	10,303,883	10/25/2016	5/28/2019	15/333,779	US	FIRMWARE VERIFICATION THROUGH DATA PORTS
700216352US01	Issued	10,397,352	8/4/2014	8/27/2019	15/304,968	US	NETWORK INFRASTRUCTURE MANAGEMENT
700216162US01	Issued	10,439,961	4/30/2014	10/8/2019	15/307,662	US	Network Fabric Control
710225035US01	Issued	10,331,528	3/2/2017	6/25/2019	15/447,417	US	RECOVERY SERVICES FOR COMPUTING SYSTEMS
710225036US01	Issued	10,409,988	1/20/2017	9/10/2019	15/410,934	US	ESCALATED REMEDIATION
710225032US01	Issued	10,650,138	1/27/2017	5/12/2020	15/417,955	US	SYSTEM CALL POLICIES FOR CONTAINERS
700218553US01	Issued	10,230,531	10/23/2014	3/12/2019	15/323,705	US	ADMISSIONS CONTROL OF A DEVICE

710224966US01	Issued	10,491,513	1/20/2017	11/26/2019	15/410,975	US	VERIFYING PACKET TAGS IN SOFTWARE DEFINED NETWORKS
710224994US01	Issued	10,248,814	1/25/2017	4/2/2019	15/415,450	US	MEMORY INTEGRITY MONITORING
700216796US01	Issued	10,503,636	6/30/2014	12/10/2019	15/320,402	US	CONCURRENT DEAD ACTOR COLLECTION
700217728US01	Issued	10,528,752	8/13/2014	1/7/2020	15/502,661	US	NON-VOLATILE STORAGE OF MANAGEMENT DATA
700217986US01	Issued	10,496,313	9/22/2014	12/3/2019	15/500,077	US	IDENTIFICATION OF CONTENT-DEFINED CHUNK BOUNDARIES
700217925US01	Issued	10,496,496	12/15/2014	12/3/2019	15/330,000	US	DATA RESTORATION USING ALLOCATION MAPS
700217847US01	Issued	10,250,627	7/31/2014	4/2/2019	15/500,863	US	REMEDIATING A SECURITY THREAT TO A NETWORK
700218297US01	Issued	10,515,012	9/3/2014	12/24/2019	15/500,883	US	RELATIONSHIP BASED CACHE RESOURCE NAMING AND EVALUATION
700218223US01	Issued	10,366,242	12/23/2014	7/30/2019	15/500,922	US	PREVENTION OF A PREDETERMINED ACTION REGARDING DATA

700219734US01	Issued	10,425,282	11/28/2014	9/24/2019	15/500,919	US	VERIFYING A NETWORK CONFIGURATION
700217874US01	Issued	10,325,092	3/11/2015	6/18/2019	15/500,909	US	DYNAMICALLY ADJUSTING A MODEL FOR A SECURITY OPERATIONS CENTER
700219958US01	Issued	10,686,814	4/10/2015	6/16/2020	15/505,820	US	NETWORK ANOMALY DETECTION
700218699US01	Issued	10,534,739	10/31/2014	1/14/2020	15/515,743	US	INDICATING A PRIVILEGE LEVEL
700218677US01	Issued	10,268,695	12/15/2014	4/23/2019	15/521,336	US	SNAPSHOT CREATION
700220555EM02	Issued	28789910002	11/27/2015	1/14/2016	002878991	EM	SERVER MODULE
710225486US01	Issued	10,592,437	7/31/2017	3/17/2020	15/664,101	US	MEMORY MATCHING KEY CAPABILITY
SGI00411US02	Issued	10,404,800	7/14/2017	9/3/2019	15/650,296	US	Caching Network Fabric for Hight Performance Computing
SGI00412US02	Issued	10,521,260	7/14/2017	12/31/2019	15/650,357	US	Workload Management System and Process

201005054DE01	Issued	602011042797.0	1/20/2011	10/25/2017	11855929.3	DE	COMPOSITE PROCESSORS
201005054GB01	Issued	2666097	1/20/2011	10/25/2017	11855929.3	GB	COMPOSITE PROCESSORS
200802144DE01	Issued	602008052141.9	10/31/2008	9/13/2017	08877842.8	DE	Prioritized Optical Arbritration Systems And Methods
200802144GB01	Abandoned	2350772	10/31/2008	9/13/2017	08877842.8	GB	Prioritized Optical Arbritration Systems And Methods
700221453US01	Issued	10,650,169	9/14/2015	5/12/2020	15/573,081	US	SECURE MEMORY SYSTEMS
700221468US01	Issued	10,310,877	7/31/2015	6/4/2019	15/573,112	US	CATEGORY BASED EXECUTION SCHEDULING
191119-3	Closed	0501610	1/28/1992	3/17/1999	92300711.6	EP	Object Oriented Distributed Computing System
388001-1	Closed	0408812	7/21/1989	3/1/2000	89307458.3	EP	Distributed Object Based Systems
389039-2	Closed		2/8/1991		PCT/GB1991/000198	WO	Method And Apparatus For Information Management In A Computer Database

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389042-2	Closed		2/8/1991		PCT/GB1991/000199	WO	Method And Apparatus For Processing Tabular Responses To Computer Database Queries
389043-1	Closed	0497022	1/31/1991	4/7/1999	91300772.0	EP	Conference System
390051-1	Closed	0489989	12/7/1990	1/24/1996	90313319.7	EP	LAN Measurement Apparatus For Determining Voltage Between Packets
390051-2	Closed		11/6/1991		PCT/EP1991/001951	WO	LAN Measurement Apparatus For Determining Voltage Between Packets
30003063-1	Issued	2362970	5/31/2000	12/29/2004	0013041.9	GB	Improvements Relating To Information Storage
30990018-3	Expired	6,978,379	5/26/2000	12/20/2005	09/578,503	US	Configuring Computer Systems
30990087-3	Expired	4519261	4/27/2000	5/28/2010	2000-126830	JP	Loop Prevention In Networks
30990087-6	Expired	1054530	4/19/2000	1/11/2006	00303325.5	FR	Loop Prevention In Networks
30990087-7	Expired	1054530	4/19/2000	1/11/2006	00303325.5	GB	Loop Prevention In Networks

300202355-2	Abandoned	7,321,660	3/3/2003	1/22/2008	10/379,455	US	METHOD AND APPARATUS FOR ENCRYPTING/DECRYPTING DATA USING TIMED-RELEASE KEYS
700221911US01	Issued	10,572,672	8/14/2015	2/25/2020	15/573,101	US	MODIFICATION OF DATA ELEMENTS USING A SEMANTIC RELATIONSHIP
700221913US01	Issued	10,686,612	7/30/2015	6/16/2020	15/573,688	US	CRYPTOGRAPHIC DATA
700222876US01	Issued	10,666,672	8/31/2015	5/26/2020	15/577,865	US	COLLECTING DOMAIN NAME SYSTEM TRAFFIC
200400664DE01	Abandoned	602005053348.6	4/28/2005	1/10/2018	05741090.4	DE	Non-demolition Photon Detector That Preserves Input State Characteristics
200400664GB01	Closed	1761887	4/28/2005	1/10/2018	05741090.4	GB	Non-demolition Photon Detector That Preserves Input State Characteristics
700221910US01	Issued	10,558,500	7/27/2015	2/11/2020	15/748,478	US	SCHEDULING HETEROGENOUS PROCESSORS
700219989US01	Issued	10,644,945	8/20/2015	5/5/2020	15/747,795	US	CONTAINERIZED VIRTUAL NETWORK FUNCTION
710223177US01	Issued	10,686,589	12/4/2015	6/16/2020	15/756,055	US	COMBINING HASHES OF DATA BLOCKS

700222274US01	Issued	10,380,025	1/19/2016	8/13/2019	15/756,056	US	ACCESSING OBJECTS VIA OBJECT REFERENCES
710226138US01	Issued	10,540,286	4/30/2018	1/21/2020	15/967,596	US	SYSTEMS AND METHODS FOR DYNAMICALLY MODIFYING COHERENCE DOMAINS
700206063FR01	Issued	2719124	6/7/2011	4/11/2018	11867520.6	FR	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700206063DE01	Issued	602011047496.0	6/7/2011	4/11/2018	11867520.6	DE	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700206063CH01	Issued	2719124	6/7/2011	4/11/2018	11867520.6	CH	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700206063GB01	Issued	2719124	6/7/2011	4/11/2018	11867520.6	GB	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700221391US01	Issued	10,572,249	10/30/2015	2/25/2020	15/770,370	US	SOFTWARE KIT RELEASE MANAGEMENT
200703994DE01	Issued	602008055348.5	3/11/2008	5/23/2018	08726728.2	DE	Optoelectronic Switches Using On-chip Optical Waveguides
200703994GB01	Abandoned	2252906	3/11/2008	5/23/2018	08726728.2	GB	Optoelectronic Switches Using On-chip Optical Waveguides

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710226416US01	Issued	10,673,463	10/25/2018	6/2/2020	16/170,909	US	COMBINED BLOCKS OF PARTS OF ERASURE CODED DATA PORTIONS
700206167FR01	Abandoned	2737656	7/29/2011	9/5/2018	11870379.2	FR	CREDENTIAL VALIDATION
700206167DE01	Issued	602011051896.8	7/29/2011	9/5/2018	11870379.2	DE	CREDENTIAL VALIDATION
700206167GB01	Issued	2737656	7/29/2011	9/5/2018	11870379.2	GB	CREDENTIAL VALIDATION
201000525DE01	Abandoned	602011051975.1	1/28/2011	9/12/2018	11737715.0	DE	QUANTUM KEY DISTRIBUTION METHOD AND APPARATUS
700213881FR01	Abandoned	3025247	7/26/2013	10/24/2018	13889831.7	FR	DATA VIEW BASED ON CONTEXT
700213881DE01	Abandoned	602013045773.5	7/26/2013	10/24/2018	13889831.7	DE	DATA VIEW BASED ON CONTEXT
700213881GB01	Abandoned	3025247	7/26/2013	10/24/2018	13889831.7	GB	DATA VIEW BASED ON CONTEXT
200603987FR01	Abandoned	2127462	1/29/2008	10/24/2018	08708350.7	FR	CONFIGURATION OF MOBILE COMMUNICATION DEVICES

200603987GB01	Abandoned	2127462	1/29/2008	10/24/2018	08708350.7	GB	CONFIGURATION OF MOBILE COMMUNICATION DEVICES
700211025FR01	Issued	2936496	12/21/2012	11/28/2018	12890251.7	FR	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700211025DE01	Issued	602012054214.4	12/21/2012	11/28/2018	12890251.7	DE	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700211025GB01	Issued	2936496	12/21/2012	11/28/2018	12890251.7	GB	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
30990084FR01	Abandoned	1183606	2/19/2001	10/31/2018	01904210.0	FR	Address Mapping In Solid State Storage Device
30990084DE01	Expired	60150987.0	2/19/2001	10/31/2018	01904210.0	DE	Address Mapping In Solid State Storage Device
30990084GB01	Abandoned	1183606	2/19/2001	10/31/2018	01904210.0	GB	Address Mapping In Solid State Storage Device
700209343FR01	Abandoned	2842045	4/27/2012	12/5/2018	12875325.8	FR	DATA CENTER SERVICE ORIENTED NETWORKING
700209343DE01	Issued	602012054508.9	4/27/2012	12/5/2018	12875325.8	DE	DATA CENTER SERVICE ORIENTED NETWORKING

200703983FR01	Issued	2260594	3/10/2008	12/26/2018	08726645.8	FR	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703983DE01	Issued	602008058460.7	3/10/2008	12/26/2018	08726645.8	DE	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703983GB01	Issued	2260594	3/10/2008	12/26/2018	08726645.8	GB	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
700211386DE01	Issued	602012056986.7	7/20/2012	2/20/2019	12881312.8	DE	MIGRATING APPLICATIONS BETWEEN NETWORKS
700211386GB01	Issued	2875439	7/20/2012	2/20/2019	12881312.8	GB	MIGRATING APPLICATIONS BETWEEN NETWORKS
700221308DE01	Issued	3311280	8/14/2015	3/27/2019	15751003.3	DE	DATA REPLICATION IN MEMORY SYSTEMS
700221308GB01	Issued	3311280	8/14/2015	3/27/2019	15751003.3	GB	DATA REPLICATION IN MEMORY SYSTEMS
700220713DE01	Abandoned	602015028451.8	5/18/2015	4/17/2019	15724591.1	DE	Automated entity-resolution methods and systems
700220713GB01	Abandoned	3265929	5/18/2015	4/17/2019	15724591.1	GB	Automated entity-resolution methods and systems

201000075FR01	Abandoned	2572475	5/20/2010	5/15/2019	10851886.1	FR	SWITCHING IN A NETWORK DEVICE
201000075DE01	Issued	602010058972.2	5/20/2010	5/15/2019	10851886.1	DE	SWITCHING IN A NETWORK DEVICE
201000075NL01	Abandoned	2572475	5/20/2010	5/15/2019	10851886.1	NL	SWITCHING IN A NETWORK DEVICE
201000075GB01	Issued	2572475	5/20/2010	5/15/2019	10851886.1	GB	SWITCHING IN A NETWORK DEVICE
700218916DE01	Issued	602015029588.9	3/20/2015	5/1/2019	15886621.0	DE	DATASTREAM BLOCK ENCRYPTION
700218916GB01	Issued	3272060	3/20/2015	5/1/2019	15886621.0	GB	DATASTREAM BLOCK ENCRYPTION
700212686FR01	Issued	2951963	1/30/2013	4/24/2019	13873588.1	FR	FAILOVER IN RESPONSE TO FAILURE OF A PORT
700212686DE01	Issued	2951963	1/30/2013	4/24/2019	13873588.1	DE	FAILOVER IN RESPONSE TO FAILURE OF A PORT
700212686GB01	Issued	2951963	1/30/2013	4/24/2019	13873588.1	GB	FAILOVER IN RESPONSE TO FAILURE OF A PORT

700206575FR01	Abandoned	2810171	2/2/2012	7/3/2019	12867467.8	FR	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION
700206575DE01	Issued	2810171	2/2/2012	7/3/2019	12867467.8	DE	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION
700206575GB01	Issued	2810171	2/2/2012	7/3/2019	12867467.8	GB	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION
700215556DE01	Issued	3063692	10/29/2013	7/24/2019	13896266.7	DE	VIRTUAL MACHINE INTROSPECTION
700215556GB01	Issued	3063692	10/29/2013	7/24/2019	13896266.7	GB	VIRTUAL MACHINE INTROSPECTION
710223554DE01	Issued	3274896	4/22/2016	8/21/2019	16894801.6	DE	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE WITH A RESOURCE CONTROLLER
710223554GB01	Closed	3274896	4/22/2016	8/21/2019	16894801.6	GB	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE WITH A RESOURCE CONTROLLER
700221312DE01	Issued	3278519	9/24/2015	8/21/2019	15770511.2	DE	MEMORY SYSTEM MANAGEMENT
700221312GB01	Issued	3278519	9/24/2015	8/21/2019	15770511.2	GB	MEMORY SYSTEM MANAGEMENT

700210840FR01	Issued	2951940	7/31/2015	8/21/2019	13873163.3	FR	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
700210840DE01	Issued	602013059590.9	7/31/2015	8/21/2019	13873163.3	DE	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
700210840NL01	Issued	2951940	7/31/2015	8/21/2019	13873163.3	NL	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
700210840GB01	Issued	2951940	7/31/2015	8/21/2019	13873163.3	GB	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
710224250DE01	Issued	602017006321.5	10/19/2017	8/21/2019	17197398.5	DE	ENCRYPTED CAPABILITIES STORED IN GLOBAL MEMORY
710224250GB01	Issued	3312758	10/19/2017	8/21/2019	17197398.5	GB	ENCRYPTED CAPABILITIES STORED IN GLOBAL MEMORY
700215841FR01	Issued	3100416	1/29/2014	10/16/2019	14880912.2	FR	MANAGING A NUMBER OF ETHERNET LINKS
700215841DE01	Issued	602014055416.4	1/29/2014	10/16/2019	14880912.2	DE	MANAGING A NUMBER OF ETHERNET LINKS
700215841GB01	Issued	3100416	1/29/2014	10/16/2019	14880912.2	GB	MANAGING A NUMBER OF ETHERNET LINKS

700212379FR01	Issued	3031187	8/9/2013	11/6/2019	13890993.2	FR	SWITCH ASSEMBLY
700212379DE01	Issued	602013062742.8	8/9/2013	11/6/2019	13890993.2	DE	SWITCH ASSEMBLY
700212379GB01	Issued	3031187	8/9/2013	11/6/2019	13890993.2	GB	SWITCH ASSEMBLY
700221913DE01	Issued	3292495	7/30/2015	10/30/2019	15744571.9	DE	Cryptographic Identities of Nodes in TheMachine
700221913GB01	Issued	3292495	7/30/2015	10/30/2019	15744571.9	GB	Cryptographic Identities of Nodes in TheMachine
710225035DE01	Issued	3370151	2/28/2018	11/13/2019	18159058.9	DE	RECOVERY SERVICES FOR COMPUTING SYSTEMS
710225035GB01	Issued	3370151	2/28/2018	11/13/2019	18159058.9	GB	RECOVERY SERVICES FOR COMPUTING SYSTEMS
700221310DE01	Issued	602015041648.1	7/31/2015	11/13/2019	15745472.9	DE	METHODS TO CREATE LOGICAL TREES OF MEMORY SYSTEMS
700221310GB01	Issued	3298501	7/31/2015	11/13/2019	15745472.9	GB	METHODS TO CREATE LOGICAL TREES OF MEMORY SYSTEMS

700222692DE01	Issued	602015045263.1	11/27/2015	1/8/2020	15801180.9	DE	Distribution of Gen-Z Transaction Integrity Keys
700214981DE01	Issued	3063627	10/31/2013	2/26/2020	13896796.3	DE	MEMORY INTEGRITY CHECKING
700214981GB01	Issued	3063627	10/31/2013	2/26/2020	13896796.3	GB	MEMORY INTEGRITY CHECKING
700211025DE02	Issued	3425507	7/20/2018	4/8/2020	18184850.8	DE	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700211025GB02	Issued	3425507	7/20/2018	4/8/2020	18184850.8	GB	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700222876DE01	Issued	602015051942.6	8/31/2015	4/29/2020	15903192.1	DE	COLLECTING DOMAIN NAME SYSTEM TRAFFIC
700222876GB01	Issued	3275151	8/31/2015	4/29/2020	15903192.1	GB	COLLECTING DOMAIN NAME SYSTEM TRAFFIC
3093005-1	Closed		7/28/1994		PCT/GB1994/001627	WO	Page Manipulation Facility
3093005-4	Closed	0784813	7/28/1994	11/4/1998	94921745.9	EP	Page Manipulation Facility

3093061-1	Closed	0680173	4/28/1994	9/3/2003	94303117.9	EP	Multicasting Apparatus
3093070-1	Closed	0680179	4/28/1994	9/5/2001	94303120.3	EP	Multicast Queue
3093088-4	Closed	0669771	2/8/1995	5/2/2003	95300789.5	EP	Communications Signalling Network Apparatus
3094048-1	Closed	0687089	6/10/1994	5/28/2003	94304210.1	EP	Eventflow
5094010-1	Closed	0700186	8/31/1994	4/13/2005	94306389.1	EP	Method And Apparatus For Regulating Virtual Channel Cell Transmission
10014281-3	Closed		11/29/2004		PCT/US2004/039967	WO	Data Storage System With Error Correction Code And Replaceable Defective Memory
30001673-1	Closed	1162537	6/9/2000	9/26/2007	00304891.5	EP	Utilization Of Unused Disk Space On Networked Computers
30001737-3	Closed	1139677	3/2/2001	1/26/2005	01301935.1	EP	Transfer Of Audio Messages To A Mobile Entity
30001739-2	Closed	1133206	2/14/2001	5/3/2006	01301269.5	EP	Generating And Logging Reminders Whilst Mobile

30002458-2	Closed		4/30/2001		PCT/GB2001/001876	WO	Improvements Relating To Networking
30003034-3	Closed		5/23/2001		PCT/GB2001/002291	WO	Location-Based Data Acess Control
30003034-4	Closed	1172270	5/23/2001	8/13/2003	01304520.8	EP	Location-Based Equipment Control
30003036-2	Closed	1148745	4/5/2001	1/28/2004	01303211.5	EP	Shopping Assistance Method And Service System
30003578-4	Closed	1139688	2/12/2001	1/2/2003	01301228.1	EP	Providing Location Data About A Mobile Entity
30003893-2	Closed		5/8/2001		PCT/GB2001/001989	WO	Distributed Pre-Paid Communcations Infrastructure
30003893-4	Closed	1281270	5/8/2001	7/19/2006	01925734.4	EP	Operating A Ommunications Infrastructure On A Pre-payment Basis
30003894-2	Closed		5/8/2001		PCT/GB2001/001968	WO	Charging For VAS Resource Usage In A Communications Infrastructure
30003894-4	Closed	1281269	5/8/2001	5/4/2005	01925726.0	EP	Charging For VAS Resource Usage In A Communications Infrastructure

30003957-1	Closed	1197858	10/10/2000	2/6/2008	00308910.9	EP	E-appliances
30004654-3	Closed	1170950	7/3/2001	5/3/2006	01305749.2	EP	Use Of Local Equipment By Mobile Entity
30004691-3	Closed	1215656	11/30/2001	6/15/2005	01310044.1	EP	Idiom Handling In Voice Service Systems
30004708-3	Closed	1213692	11/26/2001	2/23/2005	01309916.3	EP	Device Inventory By Sound
30005829-2	Closed		3/28/2002		PCT/GB2002/001471	WO	Improvements Relating To Developing Documents
30006603-3	Closed	1271313	6/12/2002	8/8/2012	02254078.5	EP	Performing Secure And Insecure Computing Operations In A Compartmented Operating System
30006634-2	Closed		8/16/2001		PCT/GB2001/003667	WO	Trusted Device
30006640-2	Closed		8/17/2001		PCT/GB2001/003712	WO	A Computer System Operable To Revert To A TruPCT/GB2001/003712 ted State
30006640-4	Closed	1309916	8/17/2001	10/18/2006	01958228.7	EP	A Computer System Operable To Revert To A Trusted State

30007323-2	Closed		1/9/2003		PCT/GB2003/000101	WO	Accessing A Remotely-stored Data Set And Associating Notes With That Data Set
30010410-3	Issued	1294157	9/10/2002	11/23/2005	02256245.8	EP	Method And Apparatus For Identifying A Voice Caller
30010957-3	Closed	1217608	11/30/2001	1/26/2005	01310046.6	EP	Activation Of Voice-Controlled Apparatus
30011222-2	Closed		1/29/2002		PCT/GB2002/000385	WO	Trusted Gateway System
30011229-3	Closed	1280317	7/26/2002	9/13/2006	02255218.6	EP	Multi-domain Authorisation And Authentication
30011237-2	Closed		7/30/2002		PCT/GB2002/003466	WO	An Apparatus And Method For An Automated Negotiation
30011241-3	Closed		4/11/2002		PCT/GB2002/001680	WO	An Automated Method And Apparatus For Aiding Convergence In Negotiation
30011247-2	Closed		4/11/2002		PCT/GB2002/001679	WO	Computerised Apparatus And Methods Of Converting A Portfolio Strategy Into A Set Of Tactics
30011248-3	Closed		4/11/2002		PCT/GB2002/001701	WO	Utility Scoring Method And Apparatus

30011251-3	Closed		4/11/2002		PCT/GB2002/001703	WO	A Preference Map For Negotiation, Which Allows Labeling Of Partial Relationships For Easy Reuse
30011252-3	Closed		4/11/2002		PCT/GB2002/001706	WO	Automatic Contract Negotiation With Multiple Parameters
30011734-2	Closed		2/19/2002		PCT/GB2002/000701	WO	Time-Release Cryptography
30012774-1	Closed	1237332	3/2/2001	11/5/2003	01301921.1	EP	Beacon Based Web Services II
30012794-3	Closed		4/11/2002		PCT/GB2002/001686	WO	Method And Apparatus For Automated Multi-party Multivariate Negotiation
30012955-3	Closed	1282286	7/26/2002	9/21/2005	02255220.2	EP	Method Of Establishing A Secure Data Connection
30017252-3	Closed	1267326	5/13/2002	8/4/2004	02253325.1	EP	Artificial Language Generation
30017281-2	Closed		10/25/2002		PCT/GB2002/004819	WO	Improvements Relating To Document Generation
30018411-2	Closed		4/11/2002		PCT/GB2002/001711	WO	Knowledge Acquisition Apparatus And Method

30019969-2	Closed		8/28/2002		PCT/GB2002/003943	WO	Quantum Information Processing Method And Appratus
30950029-1	Closed		4/17/1996		PCT/GB1996/000915	WO	MSG Authenticat
30950029-3	Closed	0824814	4/17/1996	12/12/2001	96910090.8	EP	Method And Apparatus For Authenticating An Originator Of A Message
30950065-1	Closed	0758187	8/9/1995	5/11/2005	95305563.9	EP	Base Station
30960035-2	Closed		3/11/1997		PCT/GB1997/000666	WO	Fast VG Concept
30960035-5	Closed	0824817	3/11/1997	8/3/2005	97906303.9	EP	Apparatus And Method For Communicating Data
30960042-2	Closed		12/11/1996		PCT/GB1996/003055	WO	Method Of Accessing Service Resource Items That Are For Use In A Telecommunications System
30960042-7	Closed	0867093	12/11/1996	6/15/2005	96941769.0	EP	Method Of Accessing Service Resource Items That Are For Use In A Telecommunications System
30960046-13	Closed	1207704	12/11/1996	5/12/2004	02000568.2	EP	Determining A Telephone Number For Contacting A Target Enitity

30960065-2	Closed		3/27/1997		PCT/GB1997/000897	WO	TRANSMITTING MESSAGES OVER A NETWORK
30960077-3	Closed		7/24/1997		PCT/GB1997/002006	WO	Ordered Message Reception In A Distributed Data Processing System
30960106-1	Closed	0953919	5/1/1998	2/19/2003	98303426.5	EP	Flexible Switch
30970071-1	Closed	0953897	5/1/1998	7/30/2003	98303431.5	EP	Complex Branch
30970073-1	Closed	0954140	5/1/1998	10/29/2003	98303430.7	EP	Table Merge
30970074-1	Closed	0954139	5/1/1998	4/6/2005	98303425.7	EP	Table Switch
30970139-2	Closed		12/4/1998		PCT/GB1998/003632	WO	Object Gateway
30970139-5	Closed	1036457	12/4/1998	5/18/2005	98958346.3	EP	Object Gateway
30970142-4	Closed	0907262	9/21/1998	8/3/2005	98307654.8	EP	Power Management Method For Use In A Wireless Local Area Network (LAN)

30990020-2	Closed		2/8/2000		PCT/GB2000/000370	WO	Verification Of The Pritvate Components Of A Public-key Cryptographic System
30990020-5	Closed	1151577	2/8/2000	1/15/2003	00902728.5	EP	Verification Of The Private Components Of A Public Key Cryptographic System
30990075-2	Published		10/30/2001		PCT/GB2001/004799	WO	Metering In A Data Processing System
30990076-2	Closed		5/25/2000		PCT/GB2000/002003	WO	Data Integrity Monitoring In Trusted Computing Entity
30990084-2	Closed		2/19/2001		PCT/GB2001/000643	WO	Address Mapping In Solid State Storage Device
30990084-3	Closed	1183606	2/19/2001	10/31/2018	01904210.0	EP	Address Mapping In Solid State Storage Device
30990087-2	Closed	1054530	4/19/2000	1/11/2006	00303325.5	EP	Loop Prevention In Networks
30990090-2	Closed		2/19/2001		PCT/GB2001/000656	WO	Data Balancing Scheme In Solid State Storage Devices
30990107-2	Closed		4/26/2002		PCT/GB2002/001956	WO	Diary System

30990121-1	Closed	1128655	2/21/2000	12/6/2006	00301350.5	EP	Framing Aid For A Document Capture Device
30990125-2	Closed		9/19/2000		PCT/GB2000/003613	WO	Multi-state
30990128-2	Closed	1081918	8/25/2000	10/18/2006	00307357.4	EP	JAVA Tunnelling
30990141-2	Closed		8/11/2000		PCT/GB2000/003095	WO	Enforcing Restrictions On The Use Of Stored Data Using A Combination Of Multiple Trusted Devices
30990141-3	Closed	1203278	8/11/2000	2/8/2012	00953292.0	EP	Enforcing Restrictions On The Use Of Stored Data
30990154-2	Closed		10/6/2000		PCT/GB2000/003850	WO	Trusted Computing Platform With Biometric Authentication
30990154-4	Closed	1224518	10/6/2000	7/15/2009	00964537.5	EP	Trusted Computing Platform With Biometric Authentication
30990155-2	Published		10/6/2000		PCT/GB2000/003861	WO	Electronic Commerce System
200206289-2	Published		7/22/2004		PCT/GB2004/003158	WO	Improvements Relating To Quantum Cyptography

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200206289-3	Issued	1652334	7/22/2004	11/21/2007	04743493.1	EP	Improvements Relating To Quantum Cyptography
200207050-2	Closed		2/11/2004		PCT/US2004/003788	WO	Quantum Information Processing Using Electromagnetically Induced Transparency
200207745-2	Closed	1395041	6/16/2003	4/11/2012	03253793.8	EP	Colour Correction Of Images
200208361-1	Closed	1763260	9/12/2005	6/17/2009	05300740.7	EP	Context-based Event Processing
200300254-4	Closed	1471680	4/21/2004	6/21/2006	04252330.8	EP	Identifier-Based Encryption Method and Apparatus
200300814-2	Closed		7/9/2004		PCT/GB2004/002999	WO	Organic Semiconductor Transistors Fabricated By Additive Electroplating And Adhesive Transfer
200301535-3	Closed	0690554	6/28/1995	3/27/2002	95304573.9	EP	REDUNDANT POWER MIXING ELEMENT WITH FAULT DETECTION FOR DC-TO-DC CONVERTER
200301537-4	Closed	0690542	6/30/1995	9/15/1999	95304484.9	EP	SYSTEM FOR SWITCHING POWER AND SCRUBBING FOR FAULTS
200305848-4	Closed	0352081	7/19/1989	8/16/1995	89307289.2	EP	EFFICIENT PROTOCOL FOR COMMUNICATING BETWEEN ASYCHRONOUS DEVICES

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200309140-2	Published		4/9/2004		PCT/US2004/011001	WO	Photon Number Resolving Systems And Methods
200309939-2	Published		7/21/2006		PCT/US2006/028406	WO	Quantum Information Conversion Between Matter And Light Representations
200311104-2	Closed		4/28/2005		PCT/US2005/014758	WO	Quantum Optical State Converter
200311116-2	Closed		12/3/2004		PCT/US2004/040647	WO	Games Using Pair-Wise Entanglements
200311663-2	Closed		10/6/2004		PCT/US2004/033117	WO	Photonic Interconnect System
200312183-3	Closed		5/21/2004		PCT/GB2004/002185	WO	Use Of Certified Secrets In Communication
200313970-2	Published		9/28/2004		PCT/US2004/032013	WO	Detecting One Or More Photons From Their Interactions With Probe Photons In A Matters System
200314217-2	Published		6/28/2005		PCT/US2005/022684	WO	Nonlinear Electromagnetic Quantum Information Processing
200315004-3	Closed		11/24/2004		PCT/EP2004/053081	WO	Smartcard With Cryptographic Functionality And Method And System For Using Such Cards

200315174-4	Closed	1521390	9/29/2004	8/13/2008	04104771.3	EP	Digital Signature Method And Apparatus
200400664-2	Closed		4/28/2005		PCT/US2005/014601	WO	Non-demolition Photon Detector That Preserves Input State Characteristics
200400664-3	Closed	1761887	4/28/2005	1/10/2018	05741090.4	EP	Non-demolition Photon Detector That Preserves Input State Characteristics
200401266-2	Issued	1643680	8/31/2005	3/19/2008	05018947.1	EP	Method And System For Managing Network Nodes In MPLS-VPN Networks
200404244-2	Closed		9/13/2005		PCT/US2005/032912	WO	Tests Of Quantum Information
200404976-3	Closed	1605626	6/6/2005	12/26/2007	05104894.0	EP	Cryptographic Method And Apparatus
200405115-2	Closed		7/13/2005		PCT/US2005/024918	WO	Quantum Information Processing With Static Qubits Using Optical Preparation, Addressing And Detection
200406440-2	Published		6/28/2005		PCT/US2005/022969	WO	Quantum Coherent Systems And Operations
200406465-2	Closed		10/28/2005		PCT/EP2005/055640	WO	Virtual Computing Infrastructure

200407104-2	Closed		8/3/2005		PCT/EP2005/053800	WO	Network Virtualization
200407421-1	Closed		8/3/2005		PCT/EP2005/053801	WO	Virtual Network Interface
200407525-2	Closed		10/28/2005		PCT/EP2005/055642	WO	Virtual Computing Infrastructure
200407528-1	Closed		8/3/2005		PCT/EP2005/053803	WO	Mapping Discovery For Virtual Network
200407612-2	Closed		10/28/2005		PCT/EP2005/055639	WO	Virtual Computing Infrastructure
200407628-2	Closed		10/28/2005		PCT/EP2005/055638	WO	Virtual Computing Infrastructure
200407659-2	Closed		10/6/2005		PCT/EP2005/055040	WO	Proving Relationships Between Data
200501112-3	Closed	1720315	4/27/2006	7/9/2008	06113237.9	EP	Network Management And Administration
200505455-2	Closed		1/30/2007		PCT/US2007/002687	WO	Methods And Systems For Avoiding Transmission-channel Disruptions

200505455-3	Closed	1943757	1/30/2007	5/13/2009	07762845.1	EP	Methods And Systems For Avoiding Transmission-channel Disruptions
200506050-2	Closed		8/11/2006		PCT/US2006/031396	WO	Quantum Repeater
200507116-2	Closed		4/20/2007		PCT/US2007/009711	WO	Optical-based, Self-authenticating Quantum Random Number Generators
200507116-3	Closed	2013707	4/20/2007	7/6/2011	07755829.4	EP	OPTICAL-BASED, SELF-AUTHENTICATING QUANTUM RANDOM NUMBER GENERATORS
200507434-2	Closed		1/3/2007		PCT/EP2007/050025	WO	Call Screening For VOIP Calls At Gateway
200602300-2	Closed		1/31/2008		PCT/US2008/001280	WO	Referencing A Map To The Coordinate Space Of A Positioning System
200603884-3	Closed	2143259	1/29/2008	5/27/2015	08708351.5	EP	Method And System For Facilitating Multi-point Communications
200603986-2	Published		1/29/2008		PCT/EP2008/051036	WO	Service Routing For Communication Systems
200603987-2	Closed		1/29/2008		PCT/EP2008/051033	WO	CONFIGURATION OF MOBILE COMMUNICATION DEVICES

200603987-3	Closed	2127462	1/29/2008	10/24/2018	08708350.7	EP	CONFIGURATION OF MOBILE COMMUNICATION DEVICES
200700240-1	Closed		10/25/2007		PCT/US2007/022629	WO	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200700652-3	Closed		1/21/2008		PCT/GB2008/050038	WO	TRUSTED COMPUTING ENTITIES
200700652-4	Closed	2126770	1/21/2008	3/19/2014	08702121.8	EP	TRUSTED COMPUTING ENTITIES
200701133-1	Closed		10/25/2007		PCT/US2007/022586	WO	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701135-1	Closed		10/25/2007		PCT/US2007/022585	WO	DATA PROCESSING APPARATUS AND METHOD OF PROCESSING DATA
200701766-1	Closed		4/2/2008		PCT/US2008/059093	WO	Binding A Cryptographic Module To A Platform
200702144-1	Closed		12/20/2007		PCT/US2007/088336	WO	MODEL BASED DEPLOYMENT OF COMPUTER BASED BUSINESS PROCESS ON DEDICATED HARDWARE
200702363-1	Closed		12/20/2007		PCT/US2007/088346	WO	MODELLING COMPUTER BASED BUSINESS PROCESS FOR CUSTOMISATION AND DELIVERY

200702377-1	Closed		12/20/2007		PCT/US2007/088331	WO	Modelling Computer Based Business Process And Simulating Operation
200702599-1	Closed		1/28/2008		PCT/US2008/052235	WO	DEPLOYMENT OF BOOT IMAGES IN DISKLESS SERVERS
200702600-1	Closed		12/20/2007		PCT/US2007/088322	WO	AUTOMATED MODEL GENERATION FOR COMPUTER BASED BUSINESS PROCESS
200702601-1	Closed		12/20/2007		PCT/US2007/088315	WO	Incorporating Development Tools In System For Deploying Computer Based Process On Shared Infrastructure
200702626-1	Closed		12/21/2007		PCT/EP2007/064460	WO	Liquid Crystal Display
200703074-2	Closed		10/23/2008		PCT/US2008/012118	WO	Three-dimensional Memory Module Architectures
200703074-4	Closed	2212887	10/23/2008	4/17/2013	08842157.3	EP	Three-dimensional Memory Module Architectures
200703081-1	Closed		2/26/2008		PCT/EP2008/052321	WO	Matrix-addressable Display Device
200703285-1	Closed		5/9/2008		PCT/US2008/006042	WO	Proximity Free Space Optical Interconnect

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200703934-2	Closed		7/22/2009		PCT/EP2009/059416	WO	QKD Transmitter And Transmission Method
200703966-2	Closed		10/14/2008		PCT/GB2008/050939	WO	QUANTUM KEY DISTRIBUTION SYSTEM USING LDPC CODES WITH A GRAPH HAVING A TOROID STRUCTURE
200703966-4	Closed	2227862	10/14/2008	3/30/2011	08806753.3	EP	Data Processing Arrangements For Use In Data Communication Apparatus In Connection With Error Correction
200703983-1	Closed		3/10/2008		PCT/US2008/003147	WO	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703983-2	Closed	2260594	3/10/2008	12/26/2018	08726645.8	EP	Two-phase Optical Communication Methods And Optical Bus Systems For Implementing The Same
200703994-1	Closed		3/11/2008		PCT/US2008/003244	WO	Optoelectronic Switches Using On-chip Optical Waveguides
200703994-2	Closed	2252906	3/11/2008	5/23/2018	08726728.2	EP	Optoelectronic Switches Using On-chip Optical Waveguides
200704161-1	Closed		1/29/2009		PCT/EP2009/051025	WO	SECURING A DATA TRANSMISSION
200704234-1	Published		8/8/2008		PCT/US2008/009524	WO	Method And Systems For Implementing High-radix Switch Topologies On Relatively Lower-radix Switch Physical Networks

200704391-1	Closed		10/22/2008		PCT/US2008/080796	WO	ALTERING AN IMAGING PARAMETER TO READ A SYMBOL
200704684-1	Closed		4/22/2008		PCT/EP2008/054848	WO	METHOD OF MODULATING A CARRIER TO TRANSMIT POWER TO A DEVICE, AND MODULATOR ADAPTED TO DO THE SAME
200800497-1	Closed		3/16/2009		PCT/EP2009/053057	WO	Optical Structure
200800832-1	Closed		7/7/2009		PCT/US2009/049839	WO	LIGHT DIFFUSERS AND DISPLAYS COMPRISING SAME
200801220-1	Closed		5/9/2008		PCT/US2008/005992	WO	Optically Enabled Broadcast Bus
200801444-1	Closed		6/17/2008		PCT/US2008/007540	WO	Optical Broadcast Systems And Methods
200801709-1	Closed		9/16/2009		PCT/US2009/057060	WO	System And Method For Assessing Photgrapher Competence
200801862-1	Closed		12/19/2008		PCT/US2008/087632	WO	Redundant Data Storage For Uniform Read Latency
200802144-1	Closed		10/31/2008		PCT/US2008/012392	WO	Prioritized Optical Arbitration Systems And Methods

200802881-1	Closed		1/27/2009		PCT/US2009/000529	WO	REDUNDANT RING RESONATORS OF VARYING DIMENSIONS TO REDUCE RING RESONATOR TUNING REQUIREMENTS
200802908-1	Closed		10/31/2008		PCT/EP2008/064816	WO	A Method And Digital Imaging Appliance For Selecting A Focus Setting With A Normalized Figure-of-merit
200803229-2	Closed		11/13/2009		PCT/EP2009/065171	WO	Data Centre And Apparatus And Method For Data Centre Cooling
200803285-1	Published		7/31/2009		PCT/US2009/052394	WO	PHOTONIC QUANTUM SYSTEM ALIGNMENT USING MULTIPLE BEAMS
200803499-3	Closed		10/26/2009		PCT/EP2009/064067	WO	Quantum Repeater And System And Method For Creating Extended Entanglements
200803817-2	Closed		1/20/2010		PCT/GB2010/050076	WO	Authentication Method And Apparatus Using One Time Pads
200902589-1	Closed		7/31/2009		PCT/US2009/052409	WO	Optical Fiber Connector
200902804-1	Closed		5/6/2009		PCT/US2009/002798	WO	BUS-BASED SCALABLE OPTICAL FABRICS
200903065-3	Closed		10/26/2009		PCT/EP2009/064065	WO	METHOD AND APPARATUS FOR INCREASING THE SPEED OF SUCCESSFUL ENTANGLEMENT CREATION AND QUANTUM REPEATER USING THE SAME

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200903066-3	Closed		10/26/2009		PCT/EP2009/064071	WO	Quantum Repeater And System And Method For Creating Extended Entanglements
200903067-3	Closed		10/26/2009		PCT/EP2009/064069	WO	Quantum Repeater And System And Method For Creating Extended Entanglements
200903157-1	Closed		10/15/2009		PCT/US2009/060919	WO	A Hybrid Approach To Automated IT Change Planning
200903161-1	Closed		9/18/2009		PCT/US2009/057565	WO	Privacy Ensured Polling
200903275-1	Closed		10/15/2009		PCT/US2009/060923	WO	HETEROGENEOUS DATA SOURCE MANAGEMENT
200903366-1	Closed		10/26/2009		PCT/GB2009/051437	WO	Method And Apparatus For Selectively Routing Entanglement Building
200903705-1	Closed		12/21/2009		PCT/US2009/069038	WO	CIRCUIT SWITCHED OPTICAL INTERCONNECTION FABRIC
200903822-2	Closed		10/8/2010		PCT/EP2010/065123	WO	METHOD AND SYSTEM FOR PRINTING
200904155-1	Closed		12/18/2009		PCT/US2009/068662	WO	REFLECTIVE DISPLAY

200904501-1	Closed		10/8/2010		PCT/US2010/052052	WO	ELECTRONIC SYSTEM HAVING FANOUT OPTICAL BUSES
200904802-1	Closed		9/1/2010		PCT/US2010/047495	WO	PERFORMING WHAT-IF ANALYSIS
200904806-1	Closed		6/15/2010		PCT/US2010/038666	WO	Volume Management
200904882-1	Closed		6/23/2010		PCT/US2010/039597	WO	Authorization Control
201000040-1	Closed		4/9/2010		PCT/US2010/030530	WO	PROJECT CLUSTERING AND RELATIONSHIP VISUALIZATION
201000074-1	Closed		5/19/2010		PCT/US2010/035352	WO	OPTICAL INTERCONNECT FABRICS AND OPTICAL SWITCHES
201000075-1	Closed		5/20/2010		PCT/US2010/035661	WO	SWITCHING IN A NETWORK DEVICE
201000205-2	Closed		10/8/2010		PCT/US2010/051910	WO	DATA DEDUPLICATION
201000352-1	Closed		4/29/2010		PCT/US2010/032891	WO	Multi-jurisdiction Retention Scheduling For Record Management

201000810-1	Published		9/23/2010		PCT/US2010/049947	WO	METHODS, APPARATUS AND SYSTEMS FOR MONITORING LOCATIONS OF DATA WITHIN A NETWORK SERVICE
201001417-1	Closed		10/27/2010		PCT/US2010/054269	WO	RECEIVERS AND TRANSCEIVERS FOR OPTICAL MULTIBUS SYSTEMS
201001768-1	Closed		6/16/2011		PCT/US2011/040658	WO	System and Method for Policy Generation
201001815-1	Closed		1/27/2011		PCT/US2011/022709	WO	IDENTIFY POTENTIAL ACCOUNT NUMBERS IN A SINGLE PASS OF A LIST OF DIGITS
201005054-1	Closed		1/20/2011		PCT/US2011/021891	WO	COMPOSITE PROCESSORS
201005194-1	Closed		9/30/2010		PCT/EP2010/064612	WO	Virtual Machines
300200005-3	Closed	1372331	3/28/2003	3/22/2006	03251968.8	EP	Projecting Cost On Past Usage And Differing Qos Services
300201742-2	Closed		3/17/2003		PCT/GB2003/001151	WO	Auditing Of Secure Communication Sessions Over A Communication Network
300201743-2	Closed		3/17/2003		PCT/GB2003/001152	WO	Ensuring Policy Enforcement Before Allowing Usage Of Private Key

300202355-3	Closed	1355445	3/28/2003	10/17/2007	03251967.0	EP	Method And Apparatus For Encrypting/decrypting Data
300202358-3	Closed	1473868	4/27/2004	2/27/2008	04076265.0	EP	Method And Apparatus For Passing Data Securely Between Parties
300202699-4	Issued	1378821	7/1/2003	1/28/2009	03254190.6	EP	Authentication Method And Apparatus Using Pairing Functions For The Elliptic Curves Based Cryptosystems
201005602WO01	Closed		3/3/2011		PCT/US2011/027072	WO	RECORDS MANAGEMENT SYSTEM
200904834WO01	Closed		1/28/2011		PCT/US2011/022934	WO	QUANTUM KEY DISTRIBUTION METHOD AND APPARATUS
201000525WO01	Closed		1/28/2011		PCT/US2011/022893	WO	QUANTUM KEY DISTRIBUTION METHOD AND APPARATUS
201005676WO01	Closed		6/14/2011		PCT/US2011/040316	WO	DEDUPLICATION IN DISTRIBUTED FILE SYSTEMS
201001755WO01	Closed		4/7/2011		PCT/US2011/031593	WO	Managing Data
201000857WO01	Closed		5/2/2011		PCT/US2011/034804	WO	Digital Signatures

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200803229EP01	Closed	2352953	11/13/2009	1/2/2013	09775127.5	EP	Data Centre And Apparatus And Method For Data Centre Cooling
200802144EP01	Closed	2350772	10/31/2008	9/13/2017	08877842.8	EP	Prioritized Optical Arbritration Systems And Methods
200802908EP01	Closed	2353287	10/31/2008	3/13/2013	08875257.1	EP	A Method And Digital Imaging Appliance For Selecting A Focus Setting With A Normalized Figure-of-merit
700205826WO01	Closed		7/11/2011		PCT/US2011/043581	WO	POLICY-BASED DATA MANAGEMENT
700206063WO01	Closed		6/7/2011		PCT/US2011/039512	WO	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700206579WO01	Closed		5/1/2012		PCT/US2012/035917	WO	DETERMINING SEGMENT BOUNDARIES FOR DEDUPLICATION
700206167WO01	Closed		7/29/2011		PCT/US2011/045996	WO	CREDENTIAL VALIDATION
700207731WO01	Closed		2/29/2012		PCT/US2012/027056	WO	Continuous Recording Multichannel Disk-based Data Logging
700207697WO01	Closed		1/31/2012		PCT/US2012/023219	WO	HYBRID ELECTRO-OPTICAL PACKAGE FOR AN OPTO-ELECTRONIC ENGINE

700207236WO01	Closed		10/14/2011		PCT/US2011/056327	WO	PERFORMING A REPLICATION OPERATION IN RESPONSE TO MOVEMENT OF A VIRTUAL DATA CONTAINER
700207337WO01	Closed		11/4/2011		PCT/US2011/059275	WO	Fault Processing in a System
700207297WO01	Closed		10/14/2011		PCT/US2011/056328	WO	USING A VIRTUAL BOOT DEVICE TO ACCESS A SYSTEM RECOVERY IMAGE
700206575WO01	Closed		2/2/2012		PCT/US2012/023649	WO	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION
700205948WO01	Closed		9/28/2011		PCT/US2011/053723	WO	HOST BASED WRITE ORDERING FOR ASYNCHRONOUS REPLICATION
700206165WO01	Closed		10/27/2011		PCT/US2011/057971	WO	GENERATING A VISUAL REPRESENTATION
200903065EP01	Closed	2427994	10/26/2009	9/25/2013	09743889.9	EP	Method And Apparatus For Creating Entanglements And Quantum Repeater Utilising The Same
700208369WO01	Published		3/30/2012		PCT/US2012/031403	WO	AUTHORIZATION CACHE
700208557WO01	Closed		2/22/2012		PCT/US2012/026040	WO	COMPUTER INFRASTRUCTURE SECURITY MANAGEMENT

700208013WO01	Closed		4/12/2012		PCT/US2012/033179	WO	RECONFIGURATION OF AN OPTICAL CONNECTION INFRASTRUCTURE
700207695WO01	Closed		4/24/2012		PCT/US2012/034758	WO	IDENTIFYING NETWORK COMMUNICATION PATTERNS
200903366EP01	Closed	2909955	10/26/2009	7/13/2016	09748459.6	EP	Method And Apparatus For Selectively Routing Entanglement Building
700207959WO01	Closed		3/13/2012		PCT/US2012/028916	WO	Submatch Extraction
201000525EP01	Closed	2529503	1/28/2011	9/12/2018	11737715.0	EP	QUANTUM KEY DISTRIBUTION METHOD AND APPARATUS
700209844WO01	Closed		3/15/2012		PCT/US2012/029144	WO	Accessing And Replicating Backup Data Objects
700209845WO01	Closed		3/15/2012		PCT/IN2012/000178	WO	REGULATING A REPLICATION OPERATION
700209846WO01	Closed		4/24/2012		PCT/US2012/034794	WO	Determining A Schedule For A Job To Replicate An Object Stored On A Storage Appliance
700206939WO01	Closed		3/8/2012		PCT/US2012/028268	WO	MODIFYING VIRTUAL MACHINE COMMUNICATIONS

700209343WO01	Closed		4/27/2012		PCT/US2012/035334	WO	DATA CENTER SERVICE ORIENTED NETWORKING
201000075EP01	Closed	2572475	5/20/2010	5/15/2019	10851886.1	EP	SWITCHING IN A NETWORK DEVICE
700211386WO01	Closed		7/20/2012		PCT/US2012/047680	WO	MIGRATING APPLICATIONS BETWEEN NETWORKS
700211525WO01	Closed		9/28/2012		PCT/US2012/057819	WO	APPLICATION RANDOMIZATION
700210840WO01	Closed		1/31/2013		PCT/US2013/024135	WO	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
700211025WO01	Closed		12/21/2012		PCT/US2012/071222	WO	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700211139WO01	Closed		10/31/2012		PCT/US2012/062810	WO	WRITING STANDARD TAPE FORMAT TO MEMORY
700212686WO01	Closed		1/30/2013		PCT/US2013/023725	WO	FAILOVER IN RESPONSE TO FAILURE OF A PORT
700205948EP01	Closed	2622487	9/28/2011	7/15/2015	11833057.0	EP	HOST BASED WRITE ORDERING FOR ASYNCHRONOUS REPLICATION

700212144WO01	Closed		4/29/2013		PCT/US2013/038591	WO	NON-VOLATILE MEMORY TO STORE RESETTABLE DATA
700213368WO01	Closed		4/24/2013		PCT/US2013/038017	WO	LOCATION SIGNATURES
700213367WO01	Closed		4/24/2013		PCT/US2013/038023	WO	DISPLACEMENT SIGNATURES
700212379WO01	Closed		8/9/2013		PCT/US2013/054254	WO	SWITCH ASSEMBLY
700213474WO01	Closed		5/16/2013		PCT/US2013/041379	WO	SELECTING A STORE FOR DEDUPLICATED DATA
700213475WO01	Closed		5/16/2013		PCT/US2013/041369	WO	SELECTING A STORE FOR DEDUPLICATED DATA
700213478WO01	Closed		5/16/2013		PCT/US2013/041360	WO	REPORTING DEGRADED STATE OF DATA RETRIEVED FOR DISTRIBUTED OBJECT
700213479WO01	Closed		5/16/2013		PCT/US2013/041350	WO	DEDUPLICATED DATA STORAGE SYSTEM HAVING DISTRIBUTED MANIFEST
700213244WO01	Closed		5/14/2013		PCT/US2013/040970	WO	Detection of a Security Event

700213961WO01	Closed		7/31/2013		PCT/US2013/052969	WO	DETERMINING THE POSITION OF A MOBILE DEVICE WITHIN A STRUCTURE
700214058WO01	Closed		8/29/2013		PCT/EP2013/067948	WO	DETERMINING AN ERROR DURING DATA EXTRACTING
700214102WO01	Closed		7/30/2013		PCT/US2013/052646	WO	DATA MANAGEMENT
700213881WO01	Closed		7/26/2013		PCT/US2013/052337	WO	DATA VIEW BASED ON CONTEXT
700213873WO01	Closed		7/18/2013		PCT/US2013/050990	WO	REMOTE STORAGE
700213893WO01	Closed		7/29/2013		PCT/US2013/052590	WO	INTEGRITY OF FREQUENTLY USED DE-DUPLICATION OBJECTS
700214172WO01	Closed		9/27/2013		PCT/US2013/062168	WO	Application Control Flow Models
201005054EP01	Closed	2666097	1/20/2011	10/25/2017	11855929.3	EP	COMPOSITE PROCESSORS
700215080WO01	Closed		9/30/2013		PCT/EP2013/070383	WO	PROCESSING AN ACTION BASED ON AN ATTRIBUTE

700215078WO01	Closed		11/26/2013		PCT/EP2013/074780	WO	DETERMINING COMPRESSION TECHNIQUES TO APPLY TO DOCUMENTS
700214590WO01	Closed		11/27/2013		PCT/US2013/072145	WO	META DATA AND DATA VERIFICATION
700214208WO01	Closed		10/31/2013		PCT/US2013/067825	WO	NETWORK DATABASE HOSTING
700214969WO01	Closed		10/30/2013		PCT/US2013/067534	WO	ASSIGNING RESOURCE PERMISSIONS
700214957WO01	Closed		10/31/2013		PCT/US2013/067770	WO	TRUSTED FUNCTION BASED DATA ACCESS SECURITY CONTROL
700214981WO01	Closed		10/31/2013		PCT/US2013/067766	WO	MEMORY INTEGRITY CHECKING
700214729WO01	Closed		10/31/2013		PCT/US2013/067759	WO	COPY-ON-WRITE UPDATE-TRIGGERED CONSISTENCY
700207236EP01	Closed	2729876	10/14/2011	6/1/2016	11874029.9	EP	PERFORMING A REPLICATION OPERATION IN RESPONSE TO MOVEMENT OF A VIRTUAL DATA CONTAINER
700215556WO01	Closed		10/29/2013		PCT/US2013/067219	WO	VIRTUAL MACHINE INTROSPECTION

700206063EP01	Closed	2719124	6/7/2011	4/11/2018	11867520.6	EP	A SCALABLE MULTI-TENANT NETWORK ARCHITECTURE FOR VIRTUALIZED DATACENTERS
700215509WO01	Closed		4/4/2014		PCT/US2014/032920	WO	STORING AND RETRIEVING CIPHERTEXT IN DATA STORAGE
700215841WO01	Closed		1/29/2014		PCT/US2014/013684	WO	MANAGING A NUMBER OF ETHERNET LINKS
700215821WO01	Closed		2/18/2014		PCT/US2014/016780	WO	RISK ASSESSMENT
700216080WO01	Closed		12/18/2013		PCT/US2013/075904	WO	PATCHING OF VIRTUAL MACHINES DURING DATA RECOVERY
700216014WO01	Closed		5/15/2014		PCT/US2014/038207	WO	NETWORK TRAFFIC TUNING
700215712WO01	Closed		1/31/2014		PCT/US2014/014060	WO	COMMUNICATING BETWEEN A CLUSTER AND A NODE EXTERNAL TO THE CLUSTER
700214965WO01	Closed		3/14/2014		PCT/US2014/029030	WO	SEMANTIC RESTRICTION
700215885WO01	Closed		3/14/2014		PCT/US2014/028697	WO	RESOURCE RESTRICTION

700206167EP01	Closed	2737656	7/29/2011	9/5/2018	11870379.2	EP	CREDENTIAL VALIDATION
700216162WO01	Closed		4/30/2014		PCT/US2014/036034	WO	Network Fabric Control
700216781WO01	Closed		5/1/2014		PCT/EP2014/058958	WO	DYNAMICALLY SCALED WEB SERVICE DEPLOYMENTS
700216638WO01	Closed		4/25/2014		PCT/US2014/035483	WO	A statistics-based genetic algorithm for learning classifiers of OS trace data,applied to malware detection
700216450WO01	Closed		5/23/2014		PCT/US2014/039312	WO	READ AHEAD BUFFER PROCESSING
700217207WO01	Closed		3/20/2014		PCT/US2014/031328	WO	Storage System Transactions
700215735WO01	Closed		3/27/2014		PCT/EP2014/056239	WO	SCHEDULING DOWNLOADS
700217169WO01	Closed		7/2/2014		PCT/US2014/045204	WO	MANAGING PORT CONNECTIONS
700216953WO01	Closed		9/5/2014		PCT/US2014/054174	WO	DATA STORAGE OVER FIBRE CHANNEL

700217027WO01	Closed		5/23/2014		PCT/US2014/039279	WO	AGGREGATING DATA FOR VISUALIZATION
700217317WO01	Closed		5/15/2014		PCT/US2014/038204	WO	NETWORK SCHEDULING
700217396WO01	Closed		9/26/2014		PCT/US2014/057907	WO	STORAGE OF HYPERVISOR MESSAGES IN NETWORK PACKETS GENERATED BY VIRTUAL MACHINES
700217874WO01	Closed		3/11/2015		PCT/US2015/019968	WO	DYNAMICALLY ADJUSTING A MODEL FOR A SECURITY OPERATIONS CENTER
700217728WO01	Closed		8/13/2014		PCT/US2014/050950	WO	NON-VOLATILE STORAGE OF MANAGEMENT DATA
700217208WO01	Closed		7/29/2014		PCT/US2014/048673	WO	STORAGE TRANSACTIONS
700217635WO01	Closed		7/30/2014		PCT/US2014/048872	WO	KEY SEARCH TOKEN FOR ENCRYPTED DATA
700216796WO01	Closed		6/30/2014		PCT/US2014/044875	WO	CONCURRENT DEAD ACTOR COLLECTION
700217545WO01	Closed		7/25/2014		PCT/US2014/048228	WO	CONSTRAINING AUTHORIZATION TOKENS VIA FILTERING

700217829WO01	Closed		7/31/2014		PCT/US2014/049191	WO	CREATING A SECURITY REPORT FOR A CUSTOMER NETWORK
700217847WO01	Closed		7/31/2014		PCT/US2014/049152	WO	REMEDIATING A SECURITY THREAT TO A NETWORK
700217025WO01	Closed		5/29/2014		PCT/US2014/039903	WO	BACKUP STORAGE
700216352WO02	Closed		8/4/2014		PCT/US2014/049550	WO	NETWORK INFRASTRUCTURE MANAGEMENT
700206575EP01	Closed	2810171	2/2/2012	7/3/2019	12867467.8	EP	SYSTEMS AND METHODS FOR DATA CHUNK DEDUPLICATION
700218297WO01	Closed		9/3/2014		PCT/US2014/053825	WO	RELATIONSHIP BASED CACHE RESOURCE NAMING AND EVALUATION
700218366WO01	Closed		7/31/2014		PCT/US2014/049075	WO	SHADOW ELEMENTS
700209343EP01	Closed	2842045	4/27/2012	12/5/2018	12875325.8	EP	DATA CENTER SERVICE ORIENTED NETWORKING
700218635WO01	Closed		8/28/2014		PCT/US2014/053158	WO	MOVING DATA CHUNKS

700218553WO01	Closed		10/23/2014		PCT/US2014/061934	WO	ADMISSIONS CONTROL OF A DEVICE
700218851WO01	Closed		12/2/2014		PCT/US2014/068009	WO	TRACKING OF ASSETS
700218604WO01	Closed		10/30/2014		PCT/US2014/063169	WO	SECURE TRANSACTIONS IN A MEMORY FABRIC
700218682WO01	Closed		10/30/2014		PCT/US2014/063174	WO	ENCRYPTION FOR TRANSACTIONS IN A MEMORY FABRIC
700218223WO01	Closed		12/23/2014		PCT/US2014/072231	WO	PREVENTION OF A PREDETERMINED ACTION REGARDING DATA
700217985WO01	Closed		9/18/2014		PCT/US2014/056347	WO	DATA TO BE BACKED UP IN A BACKUP SYSTEM
700217986WO01	Closed		9/22/2014		PCT/US2014/056755	WO	IDENTIFICATION OF CONTENT-DEFINED CHUNK BOUNDARIES
700218699WO01	Closed		10/31/2014		PCT/US2014/063281	WO	INDICATING A PRIVILEGE LEVEL
700218786WO01	Closed		10/31/2014		PCT/US2014/063332	WO	SYSTEMS AND METHODS FOR RESTRICTING WRITE ACCESS TO NON-VOLATILE MEMORY

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700218502WO01	Closed		9/24/2014		PCT/US2014/057151	WO	UTILIZING ERROR CORRECTION (ECC) FOR SECURE SECRET SHARING
700218450WO01	Closed		9/30/2014		PCT/US2014/058286	WO	AN OVERLAY STREAM OF OBJECTS
700217923WO01	Closed		11/17/2014		PCT/US2014/065948	WO	Snapshot Backup
700217925WO01	Closed		12/15/2014		PCT/US2014/070421	WO	DATA RESTORATION USING ALLOCATION MAPS
700218024WO01	Closed		11/11/2014		PCT/US2014/064957	WO	Balancing Thread Groups
700218173WO01	Closed		10/22/2014		PCT/US2014/061801	WO	DATA RESTORATION USING BLOCK DISK PRESENTATIONS
700218146WO01	Closed		1/30/2015		PCT/US2015/013761	WO	DATA ENCRYPTION
700211386EP01	Closed	2875439	7/20/2012	2/20/2019	12881312.8	EP	MIGRATING APPLICATIONS BETWEEN NETWORKS
700218677WO01	Closed		12/15/2014		PCT/US2014/070403	WO	SNAPSHOT CREATION

700219734WO01	Closed		11/28/2014		PCT/US2014/067814	WO	VERIFYING A NETWORK CONFIGURATION
700219735WO01	Closed		11/28/2014		PCT/US2014/067818	WO	VERIFYING NETWORK ELEMENTS
700219958WO01	Closed		4/10/2015		PCT/US2015/025454	WO	NETWORK ANOMALY DETECTION
700218916WO01	Closed		3/20/2015		PCT/US2015/021632	WO	DATASTREAM BLOCK ENCRYPTION
700212686EP01	Closed	2951963	1/30/2013	4/24/2019	13873588.1	EP	FAILOVER IN RESPONSE TO FAILURE OF A PORT
700211025EP01	Closed	2936496	12/21/2012	11/28/2018	12890251.7	EP	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700219989WO01	Closed		8/20/2015		PCT/CN2015/087710	WO	CONTAINERIZED VIRTUAL NETWORK FUNCTION
700220668WO01	Closed		7/29/2015		PCT/US2015/042661	WO	FIREWALL TO DETERMINE ACCESS TO A PORTION OF MEMORY
700220614WO01	Closed		6/5/2015		PCT/US2015/034393	WO	REMOTE ATTESTATION OF A NETWORK ENDPOINT DEVICE

700220713WO01	Closed		5/18/2015		PCT/EP2015/060913	WO	Automated entity-resolution methods and systems
700220741WO01	Closed		5/28/2015		PCT/EP2015/061892	WO	LINKING DATASETS
700220510WO01	Closed		6/12/2015		PCT/US2015/035576	WO	DISK STORAGE ALLOCATION
700218700DE01	Issued	102015210734	6/11/2015	3/4/2021	102015210734.5	DE	MANAGEMENT OF CRYPTOGRAPHIC KEYS
700221077WO01	Closed		7/7/2015		PCT/EP2015/065514	WO	GRAPH DATABASES
700221087WO01	Closed		8/7/2015		PCT/US2015/044143	WO	ENCRYPTED DATA CHUNKS
700221119WO01	Closed		9/23/2015		PCT/US2015/051596	WO	SNAPSHOT STORAGE MANAGEMENT
700221453WO01	Closed		9/14/2015		PCT/US2015/049936	WO	SECURE MEMORY SYSTEMS
700221468WO01	Closed		7/31/2015		PCT/EP2015/067732	WO	CATEGORY BASED EXECUTION SCHEDULING

700221308WO01	Closed		8/14/2015		PCT/EP2015/068792	WO	DATA REPLICATION IN MEMORY SYSTEMS
700221309WO01	Closed		7/31/2015		PCT/EP2015/067690	WO	COMMIT BASED MEMORY OPERATION IN A MEMORY SYSTEM
700221310WO01	Closed		7/31/2015		PCT/EP2015/067683	WO	METHODS TO CREATE LOGICAL TREES OF MEMORY SYSTEMS
700221391WO01	Closed		10/30/2015		PCT/US2015/058240	WO	SOFTWARE KIT RELEASE MANAGEMENT
700221168WO01	Closed		1/21/2016		PCT/US2016/014358	WO	Software Validation for Untrusted Computing Systems
700221911WO01	Closed		8/14/2015		PCT/EP2015/068765	WO	MODIFICATION OF DATA ELEMENTS USING A SEMANTIC RELATIONSHIP
700221311WO01	Closed		9/24/2015		PCT/EP2015/072043	WO	RESILIENT MEMORY FABRIC
700221312WO01	Closed		9/24/2015		PCT/EP2015/072044	WO	MEMORY SYSTEM MANAGEMENT
700221823WO01	Closed		7/31/2015		PCT/EP2015/067659	WO	MIGRATION OF COMPUTER SYSTEMS

700221910WO01	Closed		7/27/2015		PCT/EP2015/067172	WO	SCHEDULING HETEROGENOUS PROCESSORS
700221913WO01	Closed		7/30/2015		PCT/EP2015/067543	WO	CRYPTOGRAPHIC DATA
700221915WO01	Closed		7/30/2015		PCT/EP2015/067603	WO	MEMORY ACCESS CONTROL METHOD AND SYSTEM
700210840EP01	Closed	2951940	7/31/2015	8/21/2019	13873163.3	EP	RADIX ENHANCEMENT FOR PHOTONIC PACKET SWITCH
700222978WO01	Closed		8/28/2015		PCT/US2015/047381	WO	Managing Sets of Transactions for Replication
700222979WO01	Closed		8/28/2015		PCT/US2015/047384	WO	Managing Manifests for Replication
700222998WO01	Closed		8/28/2015		PCT/US2015/047391	WO	Collision Handling During an Asynchronous Replication
700222692WO01	Closed		11/27/2015		PCT/EP2015/077889	WO	Distribution of Gen-Z Transaction Integrity Keys
700222241WO01	Closed		10/21/2015		PCT/GB2015/053155	WO	Assignment of Processes to Computational Resources

700222553WO01	Closed		11/4/2015		PCT/US2015/058950	WO	STORAGE MANAGEMENT OF METADATA
700222274WO01	Closed		1/19/2016		PCT/US2016/013910	WO	ACCESSING OBJECTS VIA OBJECT REFERENCES
700222275WO01	Closed		12/18/2015		PCT/US2015/066758	WO	DATA TYPE MANAGEMENT
700222876WO01	Closed		8/31/2015		PCT/US2015/047691	WO	COLLECTING DOMAIN NAME SYSTEM TRAFFIC
700222494WO01	Closed		11/25/2015		PCT/US2015/062665	WO	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE
700222878WO01	Closed		11/17/2015		PCT/US2015/061031	WO	HANDLING NETWORK THREATS
700221895WO01	Closed		9/21/2015		PCT/US2015/051119	WO	IDENTIFICATION OF A DNS PACKET AS MALICIOUS BASED ON A VALUE
700213474EP01	Closed	2997497	5/16/2013	10/27/2021	13884582.1	EP	SELECTING A STORE FOR DEDUPLICATED DATA
700213475EP01	Closed	2997496	5/16/2013	1/19/2022	13884415.4	EP	SELECTING A STORE FOR DEDUPLICATED DATA

710223137WO01	Closed		1/29/2016		PCT/US2016/015785	WO	DEVICE ATTESTATION
710223177WO01	Closed		12/4/2015		PCT/US2015/063945	WO	COMBINING HASHES OF DATA BLOCKS
700213881EP01	Closed	3025247	7/26/2013	10/24/2018	13889831.7	EP	DATA VIEW BASED ON CONTEXT
700212379EP01	Closed	3031187	8/9/2013	11/6/2019	13890993.2	EP	SWITCH ASSEMBLY
710223371WO01	Closed		4/21/2016		PCT/US2016/028563	WO	DETERMINING A PERSISTENT NETWORK IDENTITY OF A NETWORKED DEVICE
710223606WO01	Closed		4/29/2016		PCT/US2016/030099	WO	HIERARCHICAL RULE CLUSTERING
710223694WO01	Closed		4/11/2016		PCT/US2016/026914	WO	SENDING DEDUPLICATED DATA AND REHYDRATING AGENT
710223554WO01	Closed		4/22/2016		PCT/US2016/028902	WO	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE WITH A RESOURCE CONTROLLER
710223818WO01	Closed		6/8/2016		PCT/US2016/036366	WO	EXECUTING SERVICES IN CONTAINERS

710223598WO01	Closed		2/26/2016		PCT/US2016/019740	WO	FAULT ISOLATION IN TRANSACTION LOGS
710223603WO01	Closed		3/24/2016		PCT/US2016/024052	WO	TEXT ENCRYPTION
710223780WO01	Closed		3/31/2016		PCT/US2016/025379	WO	MULTI-CREDENTIAL AUTHENTICATION
710223856WO01	Closed		3/31/2016		PCT/US2016/025323	WO	TRANSACTION MANAGEMENT FOR MULTI-NODE CLUSTERS
700215556EP01	Closed	3063692	10/29/2013	7/24/2019	13896266.7	EP	VIRTUAL MACHINE INTROSPECTION
700214981EP01	Closed	3063627	10/31/2013	2/26/2020	13896796.3	EP	MEMORY INTEGRITY CHECKING
700215841EP01	Closed	3100416	1/29/2014	10/16/2019	14880912.2	EP	MANAGING A NUMBER OF ETHERNET LINKS
SGI00429PCT01	Closed		11/16/2016		PCT/US2016/062316	WO	Method and System for Shared Direct Access Storage
700221308EP01	Closed	3311280	8/14/2015	3/27/2019	15751003.3	EP	DATA REPLICATION IN MEMORY SYSTEMS

700221310EP01	Closed	3298501	7/31/2015	11/13/2019	15745472.9	EP	METHODS TO CREATE LOGICAL TREES OF MEMORY SYSTEMS
700221312EP01	Closed	3278519	9/24/2015	8/21/2019	15770511.2	EP	MEMORY SYSTEM MANAGEMENT
700221913EP01	Closed	3292495	7/30/2015	10/30/2019	15744571.9	EP	Cryptographic Identities of Nodes in TheMachine
700222692EP01	Closed	3262783	11/27/2015	1/8/2020	15801180.9	EP	Distribution of Gen-Z Transaction Integrity Keys
700222876EP01	Closed	3275151	8/31/2015	4/29/2020	15903192.1	EP	COLLECTING DOMAIN NAME SYSTEM TRAFFIC
710223554EP01	Closed	3274896	4/22/2016	8/21/2019	16894801.6	EP	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE WITH A RESOURCE CONTROLLER
700218916EP01	Closed	3272060	3/20/2015	5/1/2019	15886621.0	EP	DATASTREAM BLOCK ENCRYPTION
700220713EP01	Closed	3265929	5/18/2015	4/17/2019	15724591.1	EP	Automated entity-resolution methods and systems
710224250EP01	Closed	3312758	10/19/2017	8/21/2019	17197398.5	EP	ENCRYPTED CAPABILITIES STORED IN GLOBAL MEMORY

710225035EP01	Closed	3370151	2/28/2018	11/13/2019	18159058.9	EP	RECOVERY SERVICES FOR COMPUTING SYSTEMS
700211025EP02	Closed	3425507	7/20/2018	4/8/2020	18184850.8	EP	MEMORY MODULE HAVING ERROR CORRECTION LOGIC
700213478EP01	Closed	2997474	5/16/2013	10/6/2021	13884384.2	EP	REPORTING DEGRADED STATE OF DATA RETRIEVED FOR DISTRIBUTED OBJECT
ARBA0231US03	Issued	10,855,829	4/26/2016	12/1/2020	15/139,300	US	ZERO TOUCH PROVISIONING
710224231US01	Issued	10,878,000	7/29/2016	12/29/2020	15/224,335	US	EXTRACTING GRAPH TOPOLOGY FROM DISTRIBUTED DATABASES
700215841CN01	Issued	106165346	1/29/2014	10/2/2020	201480077711.7	CN	MANAGING A NUMBER OF ETHERNET LINKS
710224418US01	Abandoned		10/28/2016		15/337,482	US	TRANSLATING GQL QUERIES INTO SQL QUERIES
710224540US01	Abandoned		10/28/2016		15/337,316	US	SOLVING GRAPH ROUTES INTO A SET OF POSSIBLE RELATIONSHIP CHAINS
700216450US01	Abandoned		5/23/2014		15/307,469	US	READ AHEAD BUFFER PROCESSING

700217169US01	Issued	10,897,506	7/2/2014	1/19/2021	15/305,317	US	MANAGING PORT CONNECTIONS
710224822US01	Issued	10,896,267	1/31/2017	1/19/2021	15/420,736	US	INPUT/OUTPUT DATA ENCRYPTION
700219735US01	Allowed		11/28/2014		15/500,918	US	VERIFYING NETWORK ELEMENTS
710225084US01	Issued	10,884,953	8/31/2017	1/5/2021	15/693,149	US	CAPABILITY ENFORCEMENT PROCESSORS
700218786US01	Issued	11,086,797	10/31/2014	8/10/2021	15/518,218	US	SYSTEMS AND METHODS FOR RESTRICTING WRITE ACCESS TO NON-VOLATILE MEMORY
SGI00429US02	Issued	11,029,847	11/16/2016	6/8/2021	15/353,413	US	Method and System for Shared Direct Access Storage
700217925CN01	Issued	107111531	12/15/2014	4/9/2021	201480084442.7	CN	SYSTEM, METHOD AND STORAGE MEDIUM FOR DATA RESTORATION USING ALLOCATION MAPS
710225600US01	Issued	10,853,090	1/22/2018	12/1/2020	15/876,370	US	INTEGRITY VERIFICATION OF AN ENTITY
710225617US01	Issued	11,182,256	10/20/2017	11/23/2021	15/789,198	US	BACKUP ITEM METADATA INCLUDING RANGE INFORMATION

700222979US01	Abandoned		8/28/2015		15/547,368	US	MANAGING MANIFESTS FOR REPLICATION
710225782US01	Issued	11,138,315	1/17/2018	10/5/2021	15/873,419	US	DATA STRUCTURE MEASUREMENT COMPARISON
710225812US01	Abandoned		4/30/2018		15/966,423	US	TRUSTED COMPUTING INTEGRITY MEASUREMENT ARCHITECTURE SECURITY FOR CONTAINERS
710225795US01	Abandoned		12/14/2017		15/842,123	US	PERSISTENTLY STORE CACHED DATA OF A WRITE TO A BLOCK DEVICE PRESENTATION
700221468EP01	Closed		7/31/2015		15748014.6	EP	CATEGORY BASED EXECUTION SCHEDULING
700221309US01	Abandoned		7/31/2015		15/572,996	US	COMMIT BASED MEMORY OPERATION IN A MEMORY SYSTEM
700221310US01	Abandoned		7/31/2015		15/572,971	US	METHODS TO CREATE LOGICAL TREES OF MEMORY SYSTEMS
700221911EP01	Closed	3274902	8/14/2015	3/24/2021	15750742.7	EP	MODIFICATION OF DATA ELEMENTS USING A SEMANTIC RELATIONSHIP
700221311EP01	Abandoned		9/24/2015		15771912.1	EP	RESILIENT MEMORY FABRIC

700221311US01	Abandoned		9/24/2015		15/573,093	US	RESILIENT MEMORY FABRIC
700221915EP01	Closed		7/30/2015		15745459.6	EP	MEMORY ACCESS CONTROL METHOD AND SYSTEM
700222692US01	Issued	10,938,553	11/27/2015	3/2/2021	15/573,565	US	DISTRIBUTION AND VERIFICATION OF TRANSACTION INTEGRITY KEYS
700222275EP01	Abandoned		12/18/2015		15910962.8	EP	DATA TYPE MANAGEMENT
700222275US01	Abandoned		12/18/2015		15/577,846	US	DATA TYPE MANAGEMENT
700222494EP01	Abandoned		11/25/2015		15909415.0	EP	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE
710223554US01	Allowed		4/22/2016		15/735,660	US	CONFIGURATION OF A MEMORY CONTROLLER FOR COPY-ON-WRITE WITH A RESOURCE CONTROLLER
700221913CN01	Issued	107534551	7/30/2015	2/9/2021	201580079007.X	CN	METHOD OF PROVIDING CRYPTOGRAPHIC DATA, COMPUTING DEVICE AND READABLE MEDIUM
700221915CN01	Abandoned		7/30/2015		201580079048.9	CN	MEMORY ACCESS CONTROL METHOD AND SYSTEM

700221468CN01	Abandoned		7/31/2015		201580079049.3	CN	CATEGORY BASED EXECUTION SCHEDULING
700221823CN01	Abandoned		7/31/2015		201580079050.6	CN	Hardware-based Method of Live Migration in a Multi-node System
700221168CN01	Issued	107533594	1/21/2016	1/26/2021	201680023124.9	CN	METHOD OF VALIDATING SOFTWARE, SECURE SOFTWARE SYSTEM, AND READABLE STORAGE MEDIUM
700221911CN01	Issued	107533614	8/14/2015	10/16/2020	201580079042.1	CN	AN APPARATUS FOR STORING DATA AND MACHINE-READABLE STORAGE MEDIUM
700221308CN01	Issued	107533438	8/14/2015	9/8/2020	201580079041.7	CN	DATA REPLICATION IN MEMORY SYSTEMS
700221453CN01	Abandoned		9/14/2015		201580078993.7	CN	SECURE MEMORY SYSTEMS
700221312CN01	Issued	107534621	9/24/2015	6/29/2021	201580079192.2	CN	MEMORY SYSTEM, MEMORY COMPONENT DEVICE, METHOD OF ROUTING AND READABLE STORAGE MEDIUM
700222692CN01	Issued	107534552	11/27/2015	10/9/2020	201580079037.0	CN	A METHOD EXECUTED AT A SERVER DEVICE, A CLIENT DEVICE, AND A SERVER DEVICE
710223554CN01	Issued	107533602	4/22/2016	1/12/2021	201680022878.2	CN	COMPUTING DEVICE AND METHOD THEREOF, AND COMPUTING SYSTEM

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700221910EP01	Abandoned		7/27/2015		15745435.6	EP	SCHEDULING HETEROGENOUS PROCESSORS
700220668EP01	Abandoned		7/29/2015		15899851.8	EP	FIREWALL TO DETERMINE ACCESS TO A PORTION OF MEMORY
700222979EP01	Abandoned		8/28/2015		15903169.9	EP	Managing Manifests for Replication
710223603CN01	Abandoned		3/24/2016		201680031687.2	CN	TEXT ENCRYPTION
710223856CN01	Issued	107852349	3/31/2016	12/1/2020	201680045042.4	CN	SYSTEM AND METHOD FOR TRANSACTION MANAGEMENT FOR MULTI-NODE CLUSTERS AND STORAGE MEDIUM
700220713US01	Abandoned		5/18/2015		15/575,042	US	Automated entity-resolution methods and systems
700221168EP01	Closed	3283996	1/21/2016	3/3/2021	16886727.3	EP	Software Validation for Untrusted Computing Systems
700220741US01	Abandoned		5/28/2015		15/577,332	US	LINKING DATASETS
700220741EP01	Closed		5/28/2015		15725620.7	EP	LINKING DATASETS

700220741CN01	Abandoned		5/28/2015		201580081319.4	CN	LINKING DATASETS
700220614US01	Abandoned		6/5/2015		15/579,904	US	REMOTE ATTESTATION OF A NETWORK ENDPOINT DEVICE
700221077EP01	Abandoned		7/7/2015		15734403.7	EP	GRAPH DATABASES
700221077CN01	Abandoned		7/7/2015		201580082227.8	CN	GRAPH DATABASES
700221087US01	Abandoned		8/7/2015		15/749,574	US	ENCRYPTED DATA CHUNKS
710224822CN01	Abandoned	108449172	1/19/2018	12/1/2020	201810053921.2	CN	ENCRYPTION/DECRYPTION METHOD AND INTEGRATED CIRCUIT IN A COMPUTING DEVICE
710224822EP01	Closed	3355232	1/15/2018	10/7/2020	18151583.4	EP	INPUT/OUTPUT DATA ENCRYPTION
710224926EP01	Abandoned		1/15/2018		18151627.9	EP	CHANGING THE DEPLOYMENT STATUS OF A PRE-PROCESSOR OR ANALYTIC
710225032EP01	Closed	3355226	1/15/2018	4/28/2021	18151616.2	EP	SYSTEM CALL POLICIES FOR CONTAINERS

710223818CN01	Issued	107851032	6/8/2016	4/2/2021	201680042601.6	CN	SYSTEM, DEVICE AND METHOD FOR EXECUTING A SERVICE IN A CONTAINER
710223818EP01	Closed	3308274	6/8/2016	8/4/2021	16904792.5	EP	EXECUTING SERVICES IN CONTAINERS
700220668US01	Issued	11,200,345	7/29/2015	12/14/2021	15/746,494	US	FIREWALL TO DETERMINE ACCESS TO A PORTION OF MEMORY
700222241US01	Issued	11,461,144	10/21/2015	10/4/2022	15/754,581	US	ITERATIVELY ASSIGNING PROCESSES TO COMPUTATIONAL RESOURCES BASED ON LOADING METRIC RANKING (as amended)
710223603US01	Issued	11,070,356	3/24/2016	7/20/2021	15/754,017	US	TEXT ENCRYPTION
710225035CN01	Issued	201810174681.1	3/2/2018	4/15/2022	201810174681.1	CN	COMPUTING SYSTEM, RECOVERY SERVICE AND MACHINE READABLE MEDIUM
710226218US01	Issued	11,294,699	6/29/2018	4/5/2022	16/023,029	US	DYNAMICALLY SCALED HYPERCONVERGED SYSTEM ESTABLISHING MINIMUM SUPPORTED INTEROPERABLE COMMUNICATION PROTOCOL BETWEEN CLUSTERS IN A CLUSTER GROUP (as amended)
710226064US01	Issued	11,119,789	4/25/2018	9/14/2021	15/962,366	US	KERNEL SPACE MEASUREMENT
710226129US01	Issued	11,397,815	9/21/2018	7/26/2022	16/138,119	US	Secure Data Protection

710226245US01	Issued	11,128,531	4/30/2018	9/21/2021	15/967,583	US	SYSTEMS AND METHODS FOR AGGREGATE BANDWIDTH AND LATENCY OPTIMIZATION
700221168US01	Issued	11,496,317	1/21/2016	11/8/2022	15/756,977	US	SOFTWARE VALIDATION FOR UNTRUSTED COMPUTING SYSTEMS
700222878CN01	Issued	201580084661.X	11/17/2015	8/10/2021	201580084661.X	CN	COMPUTING DEVICE, METHOD AND STORAGE MEDIUM FOR HANDLING NETWORK THREATS
700222878EP01	Closed	3378208	11/17/2015	9/29/2021	15908924.2	EP	HANDLING NETWORK THREATS
710226324US01	Issued	11,113,408	8/20/2018	9/7/2021	16/105,214	US	Providing a Secure Object Store Using a Hierarchical Key System
710226489US01	Issued	10,908,831	10/25/2018	2/2/2021	16/171,019	US	SELECTING CLOUD STORAGE
710226473US01	Allowed		6/13/2018		16/007,722	US	MEASURING INTEGRITY OF COMPUTING SYSTEM
710226573US01	Issued	11,017,080	6/13/2018	5/25/2021	16/007,683	US	MEASURING INTEGRITY OF COMPUTING SYSTEM USING JUMP TABLE
700211025CN02	Closed		12/21/2012		201810789570.1	CN	MEMORY MODULE HAVING ERROR CORRECTION LOGIC

SGI00429EP01	Abandoned		11/16/2016		16867052.9	EP	Method and System for Shared Direct Access Storage
710223694CN01	Abandoned		4/11/2016		201680086240.5	CN	SENDING DEDUPLICATED DATA AND REHYDRATING AGENT
710223694US01	Abandoned		4/11/2016		16/092,403	US	SENDING DEDUPLICATED DATA AND REHYDRATING AGENT
710223818US01	Issued	10,929,148	6/8/2016	2/23/2021	16/307,922	US	EXECUTING SERVICES IN CONTAINERS
710225782CN01	Issued	201811541529.9	12/17/2018	12/20/2022	201811541529.9	CN	DATA STRUCTURE MEASUREMENT COMPARISON
710225782EP01	Published		12/14/2018		18212731.6	EP	DATA STRUCTURE MEASUREMENT COMPARISON
710225600CN01	Published		1/22/2019		201910057627.3	CN	INTEGRITY VERIFICATION OF AN ENTITY
710225600EP01	Closed	3514714	1/22/2019	5/26/2021	19153133.4	EP	INTEGRITY VERIFICATION OF AN ENTITY
710225716CN01	Published		1/29/2019		201910085074.2	CN	MEMRISTIVE DOT PRODUCT ENGINE VIRTUALIZATION

710225781CN01	Published		3/8/2019		201910176311.6	CN	ENCLAVE LAUNCH AND AUTHENTICATION
710225781EP01	Closed	3540626	3/7/2019	9/15/2021	19161400.7	EP	ENCLAVE LAUNCH AND AUTHENTICATION
710226218CN01	Published		6/28/2019		201910577108.X	CN	DYNAMICALLY SCALED HYPERCONVERGED SYSTEM
710226218EP01	Published		6/28/2019		19183385.4	EP	DYNAMICALLY SCALED HYPERCONVERGED SYSTEM
710226324CN01	Issued	201910753508.1	8/15/2019	9/23/2022	201910753508.1	CN	COMPUTING SYSTEM AND METHOD FOR USE IN MANAGING SECURE OBJECT STORE IN COMPUTING SYSTEM
710226324EP01	Closed	3614619	8/2/2019	3/31/2021	19189868.3	EP	Providing a Secure Object Store Using a Hierarchical Key System
710226917CN01	Issued	201910909058.0	9/25/2019	5/31/2022	201910909058.0	CN	METHOD AND SYSTEM FOR SECURING FIRMWARE, AND COMPUTER-READABLE MEDIUM
710226917EP01	Closed		10/9/2019		19202294.5	EP	Securing Firmware
CRAY0040US02	Abandoned		7/25/2016		15/218,762	US	METHOD OF DATA DELIVERY ACROSS A NETWORK FABRIC IN A ROUTER OR ETHERNET BRIDGE

710226817CN01	Issued	202010840626.9	8/20/2020	10/25/2022	202010840626.9	CN	METHOD AND SYSTEM FOR INTEGRITY DETERMINATION
710224822DE01	Abandoned	602018008351.0	1/15/2018	10/7/2020	18151583.4	DE	INPUT/OUTPUT DATA ENCRYPTION
710224822GB01	Abandoned	3355232	1/15/2018	10/7/2020	18151583.4	GB	INPUT/OUTPUT DATA ENCRYPTION
710226870US01	Issued	11,017,090	12/17/2018	5/25/2021	16/222,293	US	VERIFICATION OF A PROVISIONED STATE OF A PLATFORM
710228619US01	Published		6/11/2020		16/898,802	US	REMOTE RESOURCE CONFIGURATION MECHANISM
710229116US01	Allowed		5/7/2020		16/868,875	US	TRIGGER BASED CONFIGURATION OF CONTINUOUS DELIVERY PIPELINE (as amended)
710229572US01	Issued	11,455,395	6/17/2020	9/27/2022	16/903,946	US	PERFORM VERIFICATION CHECK IN RESPONSE TO CHANGE IN PAGE TABLE BASE REGISTER
710229676US01	Issued	11,461,240	10/1/2020	10/4/2022	17/060,456	US	METADATA CACHE FOR STORING MANIFEST PORTION
710229677US01	Published		10/1/2020		17/060,466	US	JOURNALS TO RECORD METADATA CHANGES IN A STORAGE SYSTEM

710226817DE01	Published		8/31/2020		102020122712.4	DE	INTEGRITY MANIFEST CERTIFICATE
710229712US01	Published		12/7/2020		17/113,161	US	MEASURING CONTAINERS
710229728IN01	Filed		1/20/2021		202141002817	IN	MIGRATING APPLICATIONS ACROSS STORGE SYSTEMS
710229420US01	Issued	11,481,520	12/15/2020	10/25/2022	17/122,406	US	SECURE IDENTIFICATION OF A PRINTED CIRCUIT BOARD
710229672US01	Issued	11,550,493	11/6/2020	1/10/2023	17/091,043	US	CONTAINER INDEX INCLUDING A TRACKING DATA STRUCTURE
710229673US01	Issued	11,593,021	11/6/2020	2/28/2023	17/091,048	US	WRITING A CONTAINER INDEX TO PERSISTENT STORAGE
710229791US01	Issued	11,522,723	3/1/2021	12/6/2022	17/188,047	US	SECURE PROVISIONG OF BASEBOARD MANAGEMENT CONTROLLER IDENTITY OF A PLATFORM
710229949US01	Issued	11,636,214	12/11/2020	4/25/2023	17/118,698	US	MEMORY SCAN-BASED PROCESS MONITORING
710230026US01	Published		3/4/2021		17/249,531	US	TUNING DATA PROTECTION POLICY AFTER FAILURES

710230044US01	Published		3/15/2021		17/201,069	US	VISUALIZING CLUSTER NODE STATUSES
710230068US01	Abandoned		4/26/2021		17/239,815	US	ELECTRONIC PAPER-BASED DISPLAY DEVICE NODE FAULT VISUALIZATION
710229088CN01	Issued	202110107032.1	1/27/2021	4/12/2022	202110107032.1	CN	DEDUPLICATION METHOD, SYSTEM, AND MEDIUM
710228596CN01	Issued	202110108588.2	1/27/2021	1/3/2023	202110108588.2	CN	CONTROL DEVICE, SYSTEM FOR CONTROLLING ACCESS AND METHOD PERFORMED BY A CONTROLLER
710229088DE01	Issued	102021101239	1/21/2021	12/8/2022	102021101239.2	DE	DEDUPLICATION SYSTEM THRESHOLD BASED ON AN AMOUNT OF WEAR OF A STORAGE DEVICE
710228596DE01	Published		1/27/2021		102021101826.9	DE	ACCESS PERMISSIONS FOR MEMORY REGIONS
710229042CN01	Published		3/18/2021		202110291199.8	CN	CATALOG OF FILES ASSOCIATED WITH SNAPSHOTS
710229042DE01	Published		2/3/2021		102021102442.0	DE	CATALOG OF FILES ASSOCIATED WITH SNAPSHOTS
710228901CN01	Allowed		4/19/2021		202110420131.5	CN	METHOD FOR BACKUP OBJECTS, MACHINE-READABLE STORAGE MEDIUM, AND COMPUTING DEVICE

710228901DE01	Published		3/11/2021		102021105996.8	DE	BACKUP OBJECTS FOR FULLY PROVISIONED VOLUMES WITH THIN LISTS OF CHUNK SIGNATURES
710229963US01	Issued	11,625,235	3/26/2021	4/11/2023	17/213,376	US	PROGRAM INSTALLATION IN A VIRTUAL ENVIRONMENT
710229689US01	Issued	11644882	6/2/2021	5/9/2023	17/337,107	US	SYSTEM AND METHOD FOR PREDICTING POWER USAGE OF NETWORK COMPONENTS
710230288US01	Issued	11,663,234	4/23/2021	5/30/2023	17/302,109	US	STORAGE OF A SMALL OBJECT REPRESENTATION IN A DEDUPLICATION SYSTEM
710230289US01	Published		6/8/2021		17/303,796	US	JOURNALS FOR DATA CLONING OPERATIONS
710229572CN01	Allowed		4/21/2021		202110429922.4	CN	METHOD OF VERIFICATION CHECK, COMPUTING SYSTEM, AND MACHINE-READABLE STORAGE MEDIUM
710228619CN01	Published		4/20/2021		202110426262.4	CN	REMOTE RESOURCE CONFIGURATION MECHANISM
710227074CN01	Published		1/8/2019		201980069596.1	CN	SECURING NODE GROUPS
710227074DE01	Published		1/8/2019		112019006586.6	DE	SECURING NODE GROUPS

710226573US02	Published		4/16/2021		17/232,264	US	MEASURING INTEGRITY OF COMPUTING SYSTEM USING JUMP TABLE
710228619DE01	Published		4/13/2021		102021109183.7	DE	REMOTE RESOURCE CONFIGURATION MECHANISM
710229572DE01	Published		4/13/2021		102021109189.6	DE	PERFORM VERIFICATION CHECK IN RESPONSE TO CHANGE IN PAGE TABLE BASE REGISTER
710229728US01	Abandoned		6/18/2021		17/304,332	US	MIGRATING APPLICATIONS ACROSS STORGE SYSTEMS
710227074US01	Published		1/8/2019		17/280,507	US	SECURING NODE GROUPS
710230162US01	Allowed		7/23/2021		17/383,606	US	SYSTEM AND METHOD FOR IMPLEMENTING A NETWORK-INTERFACE-BASED ALLREDUCE OPERATION
710225032DE01	Issued	602018016029.9	1/15/2018	4/28/2021	18151616.2	DE	SYSTEM CALL POLICIES FOR CONTAINERS
710225032GB01	Issued	3355226	1/15/2018	4/28/2021	18151616.2	GB	SYSTEM CALL POLICIES FOR CONTAINERS
710226870US02	Issued	11,604,881	4/28/2021	3/14/2023	17/242,904	US	VERIFICATION OF A PROVISIONED STATE OF A PLATFORM

710229088US02	Issued	11,609,849	4/30/2021	3/21/2023	17/245,813	US	DEDUPLICATION SYSTEM THRESHOLD BASED ON A TYPE OF STORAGE DEVICE
710225600DE01	Issued	602019004766.5	1/22/2019	5/26/2021	19153133.4	DE	INTEGRITY VERIFICATION OF AN ENTITY
710225600GB01	Issued	3514717	1/22/2019	5/26/2021	19153133.4	GB	INTEGRITY VERIFICATION OF AN ENTITY
710230492US01	Published		8/10/2021		17/444,774	US	CORRUPTION DETERMINATION OF DATA ITEMS USED BY A BUILD SERVER
710226064US02	Issued	11,663,017	7/12/2021	5/30/2023	17/372,978	US	KERNEL SPACE MEASUREMENT
710230235US01	Issued	11,669,257	10/8/2021	6/6/2023	17/450,359	US	CONTAINER MANAGEMENT IN A STORAGE SYSTEM
710230520US01	Published		9/9/2021		17/447,281	US	DELETING DATA ENTITIES AND DEDUPLICATION STORES IN DEDUPLICATION SYSTEMS
710230572US01	Published		9/27/2021		17/448,968	US	RESOURCE ALLOCATION FOR SYNTHETIC BACKUPS
710230300US01	Published		9/30/2021		17/490,588	US	CONTROL PLANE CONFIGURATION

710230587US01	Published		10/22/2021		17/451,829	US	MULTIPLE PHYSICAL REQUEST INTERFACES FOR SECURITY PROCESSORS
710230845US01	Filed		1/27/2022		17/586,131	US	JOURNAL GROUPS FOR METADATA HOUSEKEEPING OPERATION
710226870US01	Issued	11,017,090	12/17/2018	5/25/2021	16/222,293	US	VERIFICATION OF A PROVISIONED STATE OF A PLATFORM
710228619US01	Published		6/11/2020		16/898,802	US	REMOTE RESOURCE CONFIGURATION MECHANISM
710229116US01	Allowed		5/7/2020		16/868,875	US	TRIGGER BASED CONFIGURATION OF CONTINUOUS DELIVERY PIPELINE (as amended)
710229572US01	Issued	11,455,395	6/17/2020	9/27/2022	16/903,946	US	PERFORM VERIFICATION CHECK IN RESPONSE TO CHANGE IN PAGE TABLE BASE REGISTER
710230559US01	Filed		7/28/2022		17/876,450	US	DYNAMICALLY MODULAR AND CUSTOMIZABLE COMPUTING ENVIRONMENTS
P168929US	Filed		6/24/2022		17/808,777	US	AUTHORIZING SECURE CONNECTIONS RESPONSIVE TO CERTIFICATES BOUND TO LOGICAL IDENTIFIERS
P169543US	Filed		7/25/2022		17/814,575	US	MIGRATION OF JOURNAL GROUPS IN A STORAGE SYSTEM

P170602US	Filed		4/26/2023		18/307,379	US	DETECTING MICROSERVICE SECURITY ATTACKS BASED ON METRIC SENSITIVE DEPENDENCIES
710229759US01CON	Filed		5/11/2023		18/315,806	US	APPLICATION OF A DEFAULT SHARED STATE CACHE COHERENCY PROTOCOL
P172048USPRV	Filed		6/16/2023		63/508,712	US	AGENTLESS ATTESTATION AS A SERVICE FOR COMPUTE OPS MANAGEMENT (COM) CUSTOMERS
P170045US	Filed		3/21/2023		18/187,104	US	TRACKING A RESUME POINT AND METRICS IN A COLLECTION OF OPERATIONS
P169553US	Filed		9/14/2022		17/932,036	US	TEMPORARY SPARSE INDEX FOR A DEDUPLICATION STORAGE SYSTEM
P171008US	Filed		2/17/2023		18/170,720	US	KERNEL INFORMATION INTEGRITY INSPECTION
710226870US02CON	Allowed		2/13/2023		18/168430	US	VERIFICATION OF A PROVISIONED STATE OF A PLATFORM
P169954CN	Filed		6/25/2023		202310754382.6	CN	UNAUTHORIZED DEVICE DETECTION IN A COMPUTING ENVIRONMENT
P168679US	Filed		8/29/2022		17/898,189	US	CHASSIS SERVICING AND MIGRATION IN A SCALE-UP NUMA SYSTEM

P170435US	Filed		6/5/2023		18/329,053	US	SERVICE ORCHESTRATION IN A COMMUNICATION INFRASTRUCTURE WITH DIFFERENT NETWORK DOMAINS
710227178US01CON	Filed		6/2/2023		18/328,195	US	HIGH PERFORMANCE COMPUTE INFRASTRUCTURE AS A SERVICE
710230442US01CON	Filed		6/2/2023		18/328,030	US	BACKING UP DATA FOR A NAMESPACE ASSIGNED TO A TENANT
P170417US	Filed		1/27/2023		18/160,563	US	HEALTH-BASED MANAGEMENT OF A NETWORK
P169926CN	Filed		6/30/2023		202310788894.4	CN	FINGERPRINT TRACKING STRUCTURE FOR STORAGE SYSTEM
P169847US	Filed		1/31/2023		18/103,943	US	DISTRIBUTED STORAGE OF PACKET TRANSFORMATION INFORMATION IN FORWARDING HARDWARE
P169926DE	Filed		6/21/2023		102023116322.1	DE	FINGERPRINT TRACKING STRUCTURE FOR STORAGE SYSTEM
710229676US01CON	Published		9/26/2022		17/935,368	US	METADATA CACHE FOR STORING MANIFEST PORTION
P169510US	Filed		10/28/2022		17/976,728	US	Aggregating small remote memory access requests

P169746US	Filed		1/3/2023		18/092,837	US	NIC LINE-RATE HARDWARE PACKET PROCESSING
710230889CN01	Filed		10/26/2022		202211321007.4	CN	AUTHENTICATION OF NODES IN A DISTRIBUTED NETWORK
P169775CN	Filed		10/20/2022		202211286728.6	CN	PROVISIONING A DEDUPLICATION DATA STORE
P169774DE	Filed		10/6/2022		102022125770.3	DE	SPARE PART MANAGEMENT AND RESERVATION SYSTEM
710230889DE01	Filed		10/6/2022		102022125813.0	DE	AUTHENTICATION OF NODES IN A DISTRIBUTED NETWORK
P169775DE	Filed		10/19/2022		102022127432.2	DE	PROVISIONING A DEDUPLICATION DATA STORE
P169803CN	Filed		10/21/2022		202211295054.6	CN	DATA INTAKE BUFFERS FOR DEDUPLICATION STORAGE SYSTEM
P169803DE	Filed		10/14/2022		102022126901.9	DE	DATA INTAKE BUFFERS FOR DEDUPLICATION STORAGE SYSTEM
710230559CN01	Filed		10/21/2022		202211293227.0	CN	DYNAMICALLY MODULAR AND CUSTOMIZABLE COMPUTING ENVIRONMENTS

710230559DE01	Filed		10/17/2022		10 2022 127 085.8	DE	DYNAMICALLY MODULAR AND CUSTOMIZABLE COMPUTING ENVIRONMENTS
P169543CN	Filed		10/18/2022		202211275179.2	CN	MIGRATION OF JOURNAL GROUPS IN A STORAGE SYSTEM
P169543DE	Filed		10/15/2022		102022127040.8	DE	MIGRATION OF JOURNAL GROUPS IN A STORAGE SYSTEM
P169545US	Filed		10/10/2022		18/045228	US	GENERATING ALERTS FOR UNEXPECTED KERNEL MODULES
P169774CN	Filed		10/26/2022		202211316838.2	CN	SPARE PART MANAGEMENT AND RESERVATION SYSTEM
P169553CN	Filed		5/31/2023		202310638036.1	CN	TEMPORARY SPARSE INDEX FOR A DEDUPLICATION STORAGE SYSTEM
P170200DE	Filed		6/21/2023		102023116330.2	DE	RANSOMWARE DETECTION IN A DEDUPLICATION STORAGE SYSTEM
P171165US	Filed		4/27/2023		18/308,570	US	AUTOMATED PROGRAM CONVERSION FOR HETEROGENEOUS AND FAAS COMPUTING WITH MINIMAL HUMAN INTERVENTION
P169774US	Filed		6/28/2022		17/809,553	US	SPARE PART MANAGEMENT AND RESERVATION SYSTEM

P168679CN	Filed		5/30/2023		202310624117.6	CN	CHASSIS SERVICING AND MIGRATION IN A SCALE-UP NUMA SYSTEM
P168679DE	Filed		5/17/2023		102023113140.0	DE	CHASSIS SERVICING AND MIGRATION IN A SCALE-UP NUMA SYSTEM
P169553DE	Filed		5/17/2023		102023113139.7	DE	TEMPORARY SPARSE INDEX FOR A DEDUPLICATION STORAGE SYSTEM
P170962US	Filed		3/16/2023		18/185,202	US	BACK-REFERENCE DATA STRUCTURE FOR A DEDUPLICATION STORAGE SYSTEM
P170917US	Filed		3/16/2023		18/185,184	US	HOUSEKEEPING WORK MAP FOR A DEDUPLICATION STORAGE SYSTEM
P170377DE	Filed		5/20/2023		102023113231.8	DE	MACHINE LEARNING BASED FIRMWARE VERSION RECOMMENDER
P170956US	Filed		4/27/2023		18/307,960	US	INLINE HOUSEKEEPING FOR A DEDUPLICATION STORAGE SYSTEM
P170377CN	Filed		6/9/2023		202310681032.1	CN	MACHINE LEARNING BASED FIRMWARE VERSION RECOMMENDER
P169926US	Filed		10/28/2022		18/050,626	US	FINGERPRINT TRACKING STRUCTURE FOR STORAGE SYSTEM

P170941US	Filed		3/16/2023		18/185,190	US	ESTIMATED STORAGE COST FOR A DEDUPLICATION STORAGE SYSTEM
P170375DE	Filed		4/28/2023		102023111006.3	DE	GENERATING AUDIT RECORDS FOR DISTRIBUTED COMPUTING SYSTEM-BASED MOTOR VEHICLE TESTS
P169954US	Filed		10/19/2022		18/047,785	US	UNAUTHORIZED DEVICE DETECTION IN A COMPUTING ENVIRONMENT
P170435EP	Abandoned		2/24/2023		23305251.3	EP	SERVICE ORCHESTRATION IN A COMMUNICATION INFRASTRUCTURE WITH DIFFERENT NETWORK DOMAINS
710229949US01CON	Filed		3/21/2023		18/187,332	US	MEMORY SCAN-BASED PROCESS MONITORING
P170375US	Filed		9/28/2022		17/936,039	US	GENERATING AUDIT RECORDS FOR DISTRIBUTED COMPUTING SYSTEM-BASED MOTOR VEHICLE TESTS
P171454USPRV	Filed		1/23/2023		63/440,586	US	Scalable Key State for Network Encryption
P170200US	Filed		10/27/2022		18/050,125	US	RANSOMWARE DETECTION IN A DEDUPLICATION STORAGE SYSTEM
P169373US	Filed		10/28/2022		17/976,553	US	CONDUCTING NETWORK PERFORMANCE ANALYSIS

P170375CN	Filed		6/14/2023		202310702311.1	CN	GENERATING AUDIT RECORDS FOR DISTRIBUTED COMPUTING SYSTEM-BASED MOTOR VEHICLE TESTS
P168897US	Filed		7/26/2022		17/814,943	US	MATCHING OPERATION FOR A DEDUPLICATION STORAGE SYSTEM
P170847USPRV	Filed		10/11/2022		63/379,079	US	SYSTEMS AND METHODS FOR IMPLEMENTING CONGESTION MANAGEMENT AND ENCRYPTION
P169803US	Filed		7/29/2022		17/816,016	US	DATA INTAKE BUFFERS FOR DEDUPLICATION STORAGE SYSTEM
710229572US01CON	Allowed		8/23/2022		17/821,553	US	PERFORM VERIFICATION CHECK IN RESPONSE TO CHANGE IN PAGE TABLE BASE REGISTER
P170260US	Filed		1/27/2023		18/160,493	US	PER-IMSI APN OI REPLACEMENT AVP PARAMETERS AND SUPPRESSION ATTRIBUTE SETTINGS FOR MIMM SUBSCRIBERS
P170200CN	Filed		6/30/2023		202310788515.1	CN	RANSOMWARE DETECTION IN A DEDUPLICATION STORAGE SYSTEM
P169954DE	Filed		5/31/2023		102023114251.8	DE	UNAUTHORIZED DEVICE DETECTION IN A COMPUTING ENVIRONMENT
710230889US01	Filed		6/24/2022		17/808,744	US	AUTHENTICATION OF NODES IN A DISTRIBUTED NETWORK