

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT6912218

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
VSIP HOLDINGS LLC	06/18/2021
RECEIVING PARTY DATA	
Name:	INNOVATIONS IN MEMORY LLC
Street Address:	8 THE GREEN
Internal Address:	STE A
City:	DOVER
State/Country:	DELAWARE
Postal Code:	19901
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15000836
CORRESPONDENCE DATA	
Fax Number:	(215)568-6499
<i>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.</i>	
Phone:	2155686400
Email:	alopez@vklaw.com
Correspondent Name:	JOSEPH P. BOOS
Address Line 1:	30 S. 17TH STREET, 18TH FLOOR
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103
ATTORNEY DOCKET NUMBER:	VIO-PT070.1
NAME OF SUBMITTER:	JOSEPH P. BOOS
SIGNATURE:	/JOSEPH P. BOOS/
DATE SIGNED:	09/13/2021
Total Attachments: 14	
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Exhibit 2.5

PATENT ASSIGNMENT AGREEMENT

This Assignment Agreement (the "Agreement") is made and entered into this th 8 day of June, 2021 (the "Effective Date"), by **VSIP Holdings LLC (f/k/a Violin Systems LLC)**, a Delaware limited liability company, having its address at c/o Soros Fund Management LLC, 250 West 55th Street, New York, NY 10019 ("Assignor") and **Innovations In Memory LLC**, a limited liability company formed under the laws of the State of Delaware, having its registered address at A Registered Agent, Inc. 8 The Green, STE A, Dover, Delaware, 19901, United States ("Assignee").

RECITALS

A. Assignor is the owner of (select as appropriate) of the patents as set forth on Appendix A hereto (the "Patents").

B. Assignor and Assignee have agreed by way of a patent purchase agreement (the "Purchase Agreement") dated April 30, 2021, by and between Assignor and Assignee, the terms of which are incorporated herein by reference, that Assignor shall sell, transfer, and assign and set over unto Assignee and Assignee shall accept, all rights, title and interest in and to the Patents as specified in this Agreement. In the event of any conflict between the terms of this Patent Assignment Agreement and the referenced Purchase Agreement, the terms of the Purchase Agreement shall prevail.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, and the covenants and agreements in this Assignment, Assignor and Assignee agree as follows:

1. Assignor does hereby sell, transfer, convey, assign and deliver to Assignee all of Assignor's right, privilege, title and interest in, to and under the Patents and in the case of patent applications in and to any patents that may issue therefrom, including, in all instances, any counterparts of any of the foregoing in any jurisdiction throughout the world, and any and all divisions, continuations, reissues or reexaminations of any of the foregoing, and, further, all applications for industrial property protection, including without limitation, all applications for patents, utility models, copyright, and designs which may hereafter be filed for any inventions described in said Patents in any country or countries, together with the right to file such applications and the right to claim for the same the priority rights derived from the inventions and the Patents under the laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, in each instance the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all claims for damages, information, rendering of accounts, destruction of infringing goods, payments, royalties, income or other remuneration (hereinafter "Damages") now or hereafter due or payable with respect thereto, and all causes of action (whether in law or equity) by reason of past, present and future infringements of the Patents or other rights being assigned hereunder, along with the right to sue for, counterclaim, recover and collect such Damages for the use and benefit of Assignee and its successors, assigns and other legal representatives. Assignee hereby accepts this assignment.

2. Insofar as this assignment concerns European patents and patent applications, Assignor does hereby declare that it is the owner of said Patents and that Assignor has assigned same, along with all rights and duties

appurtenant thereto, to Assignee and agree that the assignment will be recorded in the register with the European Patent Office and/or national patent offices; and Assignee hereby declares that Assignee has agreed to the assignment of the aforementioned Patents to it and that Assignee will simultaneously apply for recording of the assignment in the register with the European Patent Office and/or national patent offices.

3. Assignor hereby authorizes and requests the Commissioner for Patents of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.

4. Assignor agrees that, during the one (1) year period following the effective date of this Agreement, Assignor will execute all papers, take all rightful oaths, and do all acts, requested by Assignee, which are necessary for securing and maintaining the Patents in any country and for vesting title thereto in Assignee, its successors, assigns and legal representatives or nominees.

5. Assignor authorizes and empowers Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable, and to invoke and claim such right of priority without further written or oral authorization from Assignor.

6. Assignor hereby acknowledges and agrees that all of the rights, title and interest in and to the Patents sold, transferred, assigned and set over to Assignee hereunder include all income, royalties, damages, information claims, claims for rendering of accounts, claims for destruction of infringing goods, and payments now or hereafter due or payable with respect thereto, and all causes of action (whether in law or equity) and the right to sue, counterclaim, and recover for the past, present and future infringement of the rights assigned or to be assigned hereunder.

8. Assignor hereby consents that a copy of this Agreement shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document that may be required in any country for any purpose and more particularly in proof of the right of Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

IN WITNESS WHEREOF, the Parties have executed this Assignment on the Effective Date written at

.....

Assignor: VSIP Holdings LLC (f/k/a Violin Systems LLC)

By: John DeSisto

Name: John M. DeSisto

Title: Attorney-in-Fact

Assignee: Innovations In Memory LLC

By: Fatih M. Ozluturk

Name: Fatih Ozluturk

Title: Manager

APPENDIX A
THE PATENTS

Patent / Application No	Title
US9244861B2	Efficient caching system
US9582449B2	Interconnection system
EP2467783B1	Memory system with multiple striping of raid groups and method for performing the same
US9311182B2	Memory management system and method
US9013874B2	Heat dissipation device
US8861213B2	Circuit card and cage arrangement with improved cooling
EP2519883B1	Efficient use of hybrid media in cache architectures
US8214599B2	Storage device prefetch system using directed graph clusters
US8160070B2	Fibre channel proxy
US8214608B2	Behavioral monitoring of storage access patterns
US8285961B2	Dynamic performance virtualization for disk access
US8775741B1	Using temporal access patterns for determining prefetch suitability
US8417871B1	System for increasing storage media performance
US8402198B1	Mapping engine for a storage device
US8402246B1	Alignment adjustment in a tiered storage system
US8443150B1	Efficient reloading of data into cache resource
US8667366B1	Efficient use of physical address space for data overflow and validation
US8788758B1	Least profitability used caching scheme
US8972689B1	Apparatus, method and system for using real-time performance feedback for modeling and improving access to solid state media
US8635416B1	Apparatus, method and system for using shadow drives for alternative drive commands
US9323667B2	System and method for managing trim operations in a flash memory system using mapping tables and block status tables
US10417159B2	Interconnection system
US9141302B2	Snapshots in a flash memory storage system
US9904329B2	Power supply and circuit module for data processing system
US9170757B1	Optimization of raid group storage
US9417823B2	Memory system management
US9361047B2	Synchronization of a dispersed RAID group
US9912191B2	System and method of power control for a high-availability system
US9384065B2	Memory array with atomic test and set
US9344525B2	Method and apparatus for data migration
US9378135B2	Method and system for data storage
US9424180B2	System for increasing utilization of storage media
US8200887B2	Memory management system and method
US9164839B2	System and method for correcting errors in data using a compound code
EP2793132B1	Method and system for recovery of metadata in a flash memory system
US9547588B1	System and method of data storage in flash memory
US10270705B1	Transmission of stateful data over a stateless communications channel
EP2859553A1	Memory system management
KR102133316B1	Memory system management
US9081713B1	Memory management system and method
US9189334B2	Memory management system and method
US10176861B2	RAIDed memory system management
US9817602B2	Non-volatile buffering for deduplication

US10409526B2	Adaptive garbage collection
US9852076B1	Caching of metadata for deduplicated LUNs
US10417213B1	Metadata updating
US10248487B1	Error recovery for multi-stage simultaneously running tasks
US9733836B1	System and method for granular deduplication
US9838045B1	Apparatus and method for accessing compressed data
US9727263B2	Method and system for storage of data in a non-volatile media
US9753674B2	RAIDed memory system
US9495110B2	LUN management with distributed RAID controllers
US8112655B2	Mesosynchronous data bus apparatus and method of data transmission
US10372366B2	Memory system with multiple striping of RAID groups and method for performing the same
US10228858B1	System and method for granular deduplication
US8452929B2	Method and system for storage of data in non-volatile media
CN101836193B	Mesosynchronous data bus apparatus and method of data transmission
US7554464B1	Method and system for processing data having a pattern of repeating bits
US7907069B2	Fast compression method for scientific data
US9390019B2	Method and apparatus for providing high-performance and highly-scalable storage acceleration
US7565446B2	Method for efficient delivery of clustered data via adaptive TCP connection migration
US7877490B1	Method and apparatus for efficient TCP connection handoff
US8397016B2	Efficient use of hybrid media in cache architectures
US7454749B2	Scalable parallel processing on shared memory computers
US9632870B2	Memory system with multiple striping of raid groups and method for performing the same
US9465756B2	Configurable interconnection system
US8634419B2	Reliable and fast method and system to broadcast data
US10761766B2	Memory management system and method
US10204042B2	Memory system having persistent garbage collection
US6883065B1	System and method for a redundant communication channel via storage area network back-end
US6996741B1	System and method for redundant communication between redundant controllers
US7003688B1	System and method for a reserved memory area shared by all redundant storage controllers
US7069468B1	System and method for re-allocating storage area network resources
US7672226B2	Method, apparatus and program storage device for verifying existence of a redundant fibre channel path
US8635420B2	Resilient Mirroring Utilizing Peer-to-Peer Storage
US8782340B2	Hot sheet upgrade facility
US9021223B2	Resilient mirroring
US10788988B1	CONTROLLING BLOCK DUPLICATES [Block Deduplication]
US20190303008A1	Memory system with multiple striping of raid groups and method for performing the same
US9348758B2	Virtual addressing with multiple lookup tables and RAID stripes
US8862845B2	Application profiling in a data storage array

US7127633B1	System and method to failover storage area network targets from one interface to another
US7043663B1	System and method to monitor and isolate faults in a storage area network
US7293196B2	Method, apparatus, and system for preserving cache data of redundant storage controllers
US7181581B2	Method and apparatus for mirroring data stored in a mass storage system
US7162587B2	Method and apparatus for recovering redundant cache data of a failed controller and reestablishing redundancy
US7251713B1	System and method to transport data snapshots
US7216258B2	Method and apparatus for recovering from a non-fatal fault during background operations
US7941602B2	Method, apparatus and program storage device for providing geographically isolated failover using instant RAID swapping in mirrored virtual disks
US9747034B2	Orchestrating management operations among a plurality of intelligent storage elements
US7197614B2	Method and apparatus for mirroring data stored in a mass storage system
US7702757B2	Method, apparatus and program storage device for providing control to a networked storage architecture
US7971013B2	Compensating for write speed differences between mirroring storage devices by striping
US9507705B2	Write cache sorting
US10216625B2	Hardware integrity verification
US9110731B1	Hard allocation of resources partitioning
US8233673B2	METHOD AND APPARATUS FOR EYE-SCAN AUTHENTICATION USING A LIQUID LENS
US9977885B2	METHOD AND APPARATUS FOR EYE-SCAN AUTHENTICATION USING A LIQUID LENS
US984065	MEMORY ARRAY WITH ATOMIC TEST AND SET
US970757	OPTIMIZATION OF RAID GROUP STORAGE
US9513845	MEMORY MODULE VIRTUALIZATION
US938818	MEMORY POWER MANAGEMENT
US9335939	RAIDED MEMORY SYSTEM
US9311182	MEMORY MANAGEMENT SYSTEM AND METHOD
US9304714	LUN MANAGEMENT WITH DISTRIBUTED RAID CONTROLLERS
US9286198	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
US9244860	EFFICIENT CACHING SYSTEM
US9195407	APPARATUS, METHOD AND SYSTEM FOR USING SHADOW DRIVES FOR ALTERNATIVE DRIVE COMMANDS
US9069676	MAPPING ENGINE FOR A STORAGE DEVICE
US8838850	CLUSTER CONTROL PROTOCOL
US8832524	SYSTEM AND METHOD FOR CORRECTING ERRORS IN DATA USING A COMPOUND CODE
US8832384	REASSEMBLING ABSTRACTED MEMORY ACCESSES FOR PREFETCHING
US8830836	STORAGE PROXY WITH VIRTUAL PORTS CONFIGURATION
US8750577B2	METHOD AND APPARATUS FOR EYE-SCAN AUTHENTICATION USING A LIQUID LENS

US8726064	INTERCONNECTION SYSTEM
US8650362	SYSTEM FOR INCREASING UTILIZATION OF STORAGE MEDIA
US8635420	RESILIENT MIRRORING UTILIZING PEER-TO-PEER STORAGE
US8442059	STORAGE PROXY WITH VIRTUAL PORTS CONFIGURATION
US8417895	SYSTEM FOR MAINTAINING COHERENCY DURING OFFLINE CHANGES TO STORAGE MEDIA
US8369584B2	Method and apparatus for eye-scan authentication using a liquid lens
US8090973	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
US8028186	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
US7406578B2	Method, apparatus and program storage device for providing virtual disk service (VDS) hints based storage
US7380113B2	Method for updating memory resident firmware as a background operation
US7328240B2	Distributed multipoint conferencing
US7305579B2	Method, apparatus and program storage device for providing intelligent rebuild order selection
US7162230B2	Radio-controlled device
US7127633B1	System and method to failover storage area network targets from one interface to another
US7100080B2	Write cache recovery after loss of power
US6751628B2	Process and system for sparse vector and matrix representation of document indexing and retrieval
US62/128721	APPARATUS AND METHOD FOR ACCESSING COMPRESSED DATA
US62/114,849	SYSTEM AND METHOD FOR GRANULAR DEDUPLICATION
US62/108315	ERROR RECOVERY FOR MULTI-STAGE SIMULTANEOUSLY RUNNING TASKS
US62/106997	METADATA UPDATING
US62/093720	CACHING OF METADATA FOR DEDUPLICATED LUNS
US62/093169	ADAPTIVE GARBAGE COLLECTION
US62/079194	NON-VOLATILE BUFFERING FOR DEDUPLICATION
US6189002B1	Process and system for retrieval of documents using context-relevant semantic profiles
US61/917649	TRANSMISSION OF STATEFUL DATA OVER A STATELESS COMMUNICATIONS CHANNEL
US61/875871	SYSTEM AND METHOD OF DATA STORAGE IN FLASH MEMORY
US61/750,133	METHOD AND SYSTEM FOR DATA STORAGE
US61/726764	MEMORY ARRAY WITH ATOMIC TEST AND SET
US61/704,662	VIRTUAL ADDRESSING
US61/704,657	HARDWARE INTEGRITY VERIFICATION
US61/704,103	WRITE CACHE SORTING
US61/696,383	SYSTEM AND METHOD OF POWER CONTROL FOR A HIGH-AVAILABILITY SYSTEM
US61/667,660	SYNCHRONIZATION OF A DISPERSED RAID GROUP
US61/667,660	METHOD AND SYSTEM FOR OPTIMIZING A RAID DATA PATH
US61/666,526	POWER SUPPLY AND CIRCUIT MODULE FOR DATA PROCESSING SYSTEMS
US61/657,161	OPTIMIZATION OF RAID GROUP STORAGE
US61/656,575	MEMORY SYSTEM MANAGEMENT
US61/650,604	FLASH MEMORY CONTROLLER
US61/636,088	SNAPSHOTS IN A FLASH MEMORY STORAGE SYSTEM

US61/636,086	LUN MANAGEMENT WITH DISTRIBUTED RAID CONTROLLERS
US61/623,301	MANAGING TRIM OPERATIONS IN A FLASH MEMORY SYSTEM
US61/618,055	MEMORY MODULE VIRTUALIZATION
US61/614,778	POWER MANAGEMENT IN A FLASH MODULE
US61/537,665	SYSTEM AND METHOD FOR CORRECTING ERRORS IN DATA USING A COMPOUND CODE
US61/537,662	SYSTEM AND METHOD FOR CORRECTING ERRORS IN DATA USING A COMPOUND CODE
US61/508,177	FLASH DISK ARRAY AND CONTROLLER
US61/506,772	RAIDED MEMORY SYSTEM
US61/289819	CONFIGURABLE INTERCONNECTION SYSTEM
US61/250216	MEMORY MANAGEMENT SYSTEM AND METHOD
US61/186626	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
US61/003,897	DATA RECOVERY METHOD AND SYSTEM
US60/997,899	MESOSYNCHRONOUS DATA BUS APPARATUS AND METHOD OF DATA TRANSMISSION
US60/967101	MEMORY POWER MANAGEMENT
US60/922007	UNIVERSAL MEMORY SOCKET AND CARD AND SYSTEM FOR USING THE SAME
US60/920737	MEMORY MANAGEMENT SYSTEM AND METHOD
US60/853852	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
US29/451,365	PRINTED CIRCUIT BOARD COVER
US29/451,363	PRINTED CIRCUIT BOARD COVER
US20100049915A1	Virtual disk timesharing
US20100011371A1	Performance of unary bulk IO operations on virtual disks by interleaving
US20100011176A1	Performance of binary bulk IO operations on virtual disks by interleaving
US20080301757A1	Systems and methods for policy enforcement in electronic evidence management
US20080301756A1	Systems and methods for placing holds on enforcement of policies of electronic evidence management on captured electronic
US20080301713A1	Systems and methods for electronic evidence management with service control points and agents
US20080301471A1	Systems and methods in electronic evidence management for creating and maintaining a chain of custody
US20080301284A1	Systems and methods for capture of electronic evidence
US20080301207A1	Systems and methods for cascading destruction of electronic data in electronic evidence management
US20080301172A1	Systems and methods in electronic evidence management for autonomic metadata scaling
US20080301099A1	Systems and methods for using proxies in social network analysis in electronic evidence management
US20080301084A1	Systems and methods for dynamically creating metadata in electronic evidence management
US20080300900A1	Systems and methods for distributed sequestration in electronic evidence management
US20070067670A1	Method, apparatus and program storage device for providing drive load balancing and resynchronization of a mirrored storage system
US20060253669A1	Method and apparatus for providing a transportable storage area network

US20060218360A1	Method, apparatus and program storage device for providing an optimized read methodology for synchronously mirrored virtual disk pairs
US20060161808A1	Method, apparatus and program storage device for providing intelligent copying for faster virtual disk mirroring
US20060161752A1	Method, apparatus and program storage device for providing adaptive, attribute driven, closed-loop storage management configuration and control
US20060093282A1	Method and apparatus for providing connector keying and identification for unidirectional fiber cables
US20050278704A1	Method, apparatus, and program storage device for detecting failures in data flow in high-availability storage systems
US20050278476A1	Method, apparatus and program storage device for keeping track of writes in progress on multiple controllers during resynchronization of RAID stripes on failover
US20050198194A1	Method, apparatus and program storage device for providing wireless storage
US20050193273A1	Method, apparatus and program storage device that provide virtual space to handle storage device failures in a storage system
US20050081086A1	Method, apparatus and program storage device for optimizing storage device distribution within a RAID to provide fault tolerance for the RAID
US20050027938A1	Method, apparatus and program storage device for dynamically resizing mirrored virtual disks in a RAID storage system
US16/444176	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
US16/421765	DYNAMIC MEMORY MANAGEMENT SYSTEM
US16/410514	SYSTEM AND METHOD FOR GRANULAR DEDUPLICATION
US16/152292	CACHING OF METADATA FOR DEDUPLICATED LUNS
US15/793,280	SYSTEM AND METHOD FOR PROCESSING AND STORING DEDUPLICATED DATA
US13/766351	EFFICIENT USE OF HYBRID MEDIA IN CACHE ARCHITECTURES
US13/546,179	FLASH DISK ARRAY AND CONTROLLER
US12/796836	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
US10754769	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
US10346045	SYSTEM AND METHOD FOR GRANULAR DEDUPLICATION
US10157016	MEMORY MANAGEMENT SYSTEM AND METHOD
US10126984	CACHING OF METADATA FOR DEDUPLICATED LUNS
US10/629,415	METHOD, APPARATUS AND PROGRAM STORAGE DEVICE FOR DYNAMICALLY RESIZING MIRRORRED VIRTUAL DISKS IN A RAID STORAGE SYSTEM
UK2193446	MEMORY POWER MANAGEMENT (Priority PCT/US2008/074628)
PCT/US2014/010624	METHOD AND SYSTEM FOR DATA STORAGE
PCT/US2013/061293	VIRTUAL ADDRESSING
PCT/US2013/049067	SYNCHRONIZATION OF A DISPERSED RAID GROUP
PCT/US2013/048476	POWER SUPPLY AND CIRCUIT MODULE FOR DATA PROCESSING SYSTEM
PCT/US2013/048230	CIRCUIT CARD AND CAGE ARRANGEMENT WITH IMPROVED COOLING
PCT/US2013/044527	MEMORY SYSTEM MANAGEMENT
PCT/US2013/040708	FLASH MEMORY CONTROLLER
PCT/US2013/036770	SNAPSHOTS IN A FLASH MEMORY STORAGE SYSTEM

PCT/US2013/036295	MANAGING TRIM OPERATIONS IN A FLASH MEMORY SYSTEM
PCT/US2013/034938	SYSTEM FOR INCREASING STORAGE MEDIA PERFORMANCE
PCT/US2013/034218	MEMORY MODULE VIRTUALIZATION
PCT/US2013/030410	ALIGNMENT ADJUSTMENT IN A TIERED STORAGE SYSTEM
PCT/US2013/025896	MAPPING ENGINE FOR A STORAGE DEVICE
PCT/US2012/056534	SYSTEM AND METHOD FOR CORRECTING ERRORS IN DATA USING A COMPOUND CODE
PCT/US2012/046487	RAIDED MEMORY SYSTEM
PCT/US2012/046448	FLASH DISK ARRAY AND CONTROLLER
PCT/US2011/062215	RELIABLE AND FAST METHOD AND SYSTEM TO BROADCAST DATA
PCT/US2010/062061	CONFIGURABLE INTERCONNECTION SYSTEM
PCT/US2010/060408	EFFICIENT USE OF HYBRID MEDIA IN CACHE ARCHITECTURES
PCT/US2010/052074	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
PCT/US2010/037987	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
PCT/US2008/083969	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
PCT/US2008/078752	MESOSYNCHRONOUS DATA BUS APPARATUS AND METHOD OF DATA TRANSMISSION
PCT/US2008/074628	MEMORY POWER MANAGEMENT
PCT/US2008/004015	MEMORY MANAGEMENT SYSTEM AND METHOD
PCT/US2007/022316	SKREW MANAGEMENT IN AN INTERCONNECTION SYSTEM
PCT/US2006/014527	INTERCONNECTION SYSTEM
MT2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
MA2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
LU2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
LU2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
KR10-2133316	MEMORY SYSTEM MANAGEMENT
KR10-2033491	MANAGING TRIM OPERATIONS IN A FLASH MEMORY SYSTEM
KR10-2015-7017953	METHOD AND SYSTEM FOR DATA STORAGE
KR10-2015-7002929	SYNCHRONIZATION OF A DISPERSED RAID GROUP
KR10-2013-7016962	RELIABLE AND FAST METHOD AND SYSTEM TO BROADCAST DATA
KR10-1839027	CONFIGURABLE INTERCONNECTION SYSTEM
KR10-1726824	EFFICIENT USE OF HYBRID MEDIA IN CACHE ARCHITECTURES
KR10-1710346	MEMORY POWER MANAGEMENT
KR10-1573370	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
KR10-1520370	MEMORY POWER MANAGEMENT
KR10-1502519	MEMORY MANAGEMENT SYSTEM AND METHOD
KR10-1448192	MEMORY MANAGEMENT SYSTEM AND METHOD
KR10-1427867	INTERCONNECTION SYSTEM
KR10-1411566	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
KR10-1375763	INTERCONNECTION SYSTEM
KR10-1331569	INTERCONNECTION SYSTEM
KR10-1324688	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION

KR10-1307953	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
KR10-1271245	INTERCONNECTION SYSTEM
KR10-1245096	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
JP6121470B2	Method and apparatus for eye scan authentication using a liquid lens
JP5654630	INTERCONNECTION SYSTEM
JP5258997	INTERCONNECTION SYSTEM
JP2016506585A	Method and system for data storage
IN1228/MUM/2005A	Method, apparatus and program storage device that provides a non-fragmenting physical disk interface for raid implementations
IE2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
IE2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
IE1872192	INTERCONNECTION SYSTEM
GB90013793740011	PRINTED CIRCUIT BOARD COVER
GB90013793740010	PRINTED CIRCUIT BOARD COVER
GB90013793740009	PRINTED CIRCUIT BOARD COVER
GB90013793740008	PRINTED CIRCUIT BOARD COVER
GB90013793740007	PRINTED CIRCUIT BOARD COVER
GB90013793740006	PRINTED CIRCUIT BOARD COVER
GB90013793740005	PRINTED CIRCUIT BOARD COVER
GB90013793740004	PRINTED CIRCUIT BOARD COVER
GB90013793740003	PRINTED CIRCUIT BOARD COVER
GB90013793740002	PRINTED CIRCUIT BOARD COVER
GB90013793740001	PRINTED CIRCUIT BOARD COVER
GB2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
GB2860635	MEMORY MANAGEMENT SYSTEM AND METHOD
GB2647152	RELIABLE AND FAST METHOD AND SYSTEM TO BROADCAST DATA
GB2519883	EFFICIENT USE OF HYBRID MEDIA IN CACHE ARCHITECTURES
GB2517110	CONFIGURABLE INTERCONNECTION SYSTEM
GB2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
GB2383660	INTERCONNECTION SYSTEM
GB2383656	INTERCONNECTION SYSTEM
GB2232374	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
GB2132636	MEMORY MANAGEMENT SYSTEM AND METHOD
GB2076903	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
GB1872192	INTERCONNECTION SYSTEM
FR2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
FR2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
EP2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
EP2860635	MEMORY MANAGEMENT SYSTEM AND METHOD
EP2647152	RELIABLE AND FAST METHOD AND SYSTEM TO BROADCAST DATA
EP2517110B1	Configurable interconnection system
EP2498257	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
EP2467783	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
EP2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION

EP2383660	INTERCONNECTION SYSTEM
EP2383656	INTERCONNECTION SYSTEM
EP2232374	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
EP2193446	MEMORY POWER MANAGEMENT
EP2132636	MEMORY MANAGEMENT SYSTEM AND METHOD
EP2076903	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
EP20168297.8	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
EP1872192	INTERCONNECTION SYSTEM
EP13809551.8	Power supply and circuit module for data processing system
EP13800543.4	MEMORY SYSTEM MANAGEMENT
EP13778976.4	SNAPSHOT IN A FLASH MEMORY STORAGE SYSTEM
EP12810789.3	RAIDED MEMORY SYSTEM
EP10840190.2	CONFIGURABLE INTERCONNECTION SYSTEM
EP07750941.2	METHOD AND APPARATUS FOR PROVIDING HIGH-PERFORMANCE AND HIGHLY-SCALABLE STORAGE ACCELERATION
EP001379374-0011	PRINTED CIRCUIT BOARD COVER (Priority 29/451,365)
EP001379374-0010	PRINTED CIRCUIT BOARD COVER (Priority 29/451,365)
EP001379374-0009	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,365)
EP001379374-0008	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0007	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0006	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0005	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0004	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0003	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0002	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
EP001379374-0001	PRINTED CIRCUIT BOARD COVER (Priority U.S. 29/451,363)
DE602013061821.6	SYNCHRONIZATION OF A DISPERSED RAID GROUP
DE602011044621.5	RELIABLE AND FAST METHOD AND SYSTEM TO BROADCAST DATA
DE602010062441.2	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
DE602010041570.8	EFFICIENT USE OF HYBRID MEDIA IN CACHE ARCHITECTURES
DE602008047233.7	MEMORY MANAGEMENT SYSTEM AND METHOD
DE602008040812.4	MEMORY POWER MANAGEMENT
DE602008035111.4	MEMORY MANAGEMENT SYSTEM AND METHOD
DE602008032171.1	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
DE602007025922.3	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
DE602006037043.1	INTERCONNECTION SYSTEM
DE602006036942.5	INTERCONNECTION SYSTEM
DE2517110	CONFIGURABLE INTERCONNECTION SYSTEM
DE202008018573.4	MEMORY MANAGEMENT SYSTEM AND METHOD
DE202008018572.6	MEMORY MANAGEMENT SYSTEM AND METHOD
DE1872192	INTERCONNECTION SYSTEM
CNZL201180058323.0	RELIABLE AND FAST METHOD AND SYSTEM TO BROADCAST DATA
CNZL201110217894.6	MEMORY MANAGEMENT SYSTEM AND METHOD

CNZL201080045465.9	MEMORY SYSTEM WITH MULTIPLE STRIPING OF RAID GROUPS AND METHOD FOR PERFORMING THE SAME
CNZL201080026058.3	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
CNZL200910210161.2	INTERCONNECTION SYSTEM
CNZL200880117676.1	METHOD AND SYSTEM FOR STORAGE OF DATA IN NON-VOLATILE MEDIA
CNZL200880111329.8	MESOSYNCHRONOUS DATA BUS APPARATUS AND METHOD OF DATA TRANSMISSION
CNZL200880105724.5	MEMORY POWER MANAGEMENT
CNZL200880007937.4	MEMORY MANAGEMENT SYSTEM AND METHOD
CNZL200780039379.5	SKEW MANAGEMENT IN AN INTERCONNECTION SYSTEM
CNZL200680013065.3	INTERCONNECTION SYSTEM
CN201210353638.4	INTERCONNECTION SYSTEM
CN200910136216.X	INTERCONNECTION SYSTEM
CN102812444A	EFFICIENT USE OF HYBRID MEDIA IN CACHE ARCHITECTURES
CN102792288A	CONFIGURABLE INTERCONNECTION SYSTEM
CH2870538	SYNCHRONIZATION OF A DISPERSED RAID GROUP
CH2441004	MEMORY SYSTEM HAVING PERSISTENT GARBAGE COLLECTION
TRADEMARKS	
US4,276,013	FLASHCUBE
EP009048422	TURBOVIEW
JP5429852	TURBOVIEW
CN6226644	VIOLIN
EP006005706	VIOLIN
UK00906005706	VIOLIN
IN1568086	VIOLIN
US5445315	VIOLIN
US3,554,756	VIOLIN
US3,825,490	VIOLIN MEMORY
US88/105,929	XVS
US88/105,934	EXTREME VIOLIN STORAGE
US5,455,121	OPTIMISE
TXu 1-804-728	HH
TXu 1-804-753	SMC