TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM526489

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
U.S. Bank National association, not in its individual capacity but solely as notes collateral agent		05/31/2019	National Banking Association: UNITED STATES

RECEIVING PARTY DATA

Name:	Sanmina Corporation
Street Address:	2700 N First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
Entity Type:	Corporation: DELAWARE
Name:	Hadco Corporation
Street Address:	2700 N First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
Entity Type:	Corporation: MASSACHUSETTS
Name:	Hadco Santa Clara
Street Address:	2700 N First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
Entity Type:	Corporation: DELAWARE
Name:	SCI Technology, Inc.
Street Address:	2700 N First Street
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
Entity Type:	Corporation: ALABAMA
Name:	Sensorwise, Inc.
Street Address:	2700 N First Street

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TRADEMARK

City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95134
Entity Type:	Corporation: TEXAS

PROPERTY NUMBERS Total: 64

Property Type	Number	Word Mark
Serial Number:	75093814	S
Serial Number:	85792113	SCI
Serial Number:	86092285	CHECKMATE
Serial Number:	86336717	SVP
Serial Number:	86336737	CSL
Serial Number:	86336750	SIMULTANEOUS VIA PARTITIONING
Serial Number:	86336761	ZERO STUB LENGTH
Serial Number:	86336767	CONTROLLED STUB LENGTH
Serial Number:	86869018	42Q
Serial Number:	87076143	SVP
Serial Number:	87076144	SIMULTANEOUS VIA PARTITIONING
Serial Number:	87262743	RACK IQ
Serial Number:	87430573	PORTS
Serial Number:	87584704	AEROGUARD
Serial Number:	87584717	THE 3D THREAT
Serial Number:	87584725	WE STOP DRONES
Serial Number:	88182500	VIKING ENTERPRISE SOLUTIONS
Serial Number:	88182511	VIKING ENTERPRISE SOLUTIONS
Serial Number:	74504987	BC
Serial Number:	74504988	ZBC - 2000
Serial Number:	76160605	NEWISYS
Serial Number:	76977125	NEWISYS
Serial Number:	85264817	SANMINA
Serial Number:	85264851	SANMINA
Serial Number:	85264861	SANMINA
Serial Number:	85264871	SANMINA
Serial Number:	85264926	S
Serial Number:	85264936	S
Serial Number:	85264995	WHAT WE MAKE, MAKES A DIFFERENCE.
Serial Number:	85264998	WHAT WE MAKE, MAKES A DIFFERENCE.
Serial Number:	85265027	YOUR VISION, ACCOMPLISHED.
Serial Number:	85265032	YOUR VISION, ACCOMPLISHED.

Property Type	Number	Word Mark
Serial Number:	85265035	YOUR VISION, ACCOMPLISHED.
Serial Number:	85416059	SANMINA
Serial Number:	85465250	VIKING TECHNOLOGY
Serial Number:	85465252	VIKING
Serial Number:	85512192	SATADIMM
Serial Number:	85842838	
Serial Number:	85842845	
Serial Number:	85842864	
Serial Number:	86110751	SANMINA CONNEX
Serial Number:	85842817	
Serial Number:	78180198	OPTI-VIA
Serial Number:	77776675	SANMINA-SCI CONNEX
Serial Number:	77673303	ARXCIS-NV
Serial Number:	77673300	SATA CUBE3
Serial Number:	77496879	THE MANUFACTURER BEHIND THE BRAND
Serial Number:	77421452	NEWISYS
Serial Number:	77421451	
Serial Number:	77205508	WE ARE THE MANUFACTURER BEHIND THE BRAND
Serial Number:	76409920	END-TO-END SOLUTIONS
Serial Number:	76349693	SANMINA-SCI
Serial Number:	76349692	SANMINA - SCI
Serial Number:	76348965	SANMINA-SCI CONNEX
Serial Number:	78190715	
Serial Number:	78716169	FIRECOMM
Serial Number:	85264912	S
Serial Number:	85265012	WHAT WE MAKE, MAKES A DIFFERENCE.
Serial Number:	85416051	S
Serial Number:	78078109	TOCNET
Serial Number:	73752721	SCI
Serial Number:	73603631	SCI
Serial Number:	78260885	ZBC-1000
Serial Number:	78262719	BURIED CAPACITANCE

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.

Email: bfriesen@wsgr.com

Correspondent Name: Barbara Friesen

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| Address Line 4: | Palo Alto, CALIFORNIA 94304 |

ATTORNEY DOCKET NUMBER:	6069.434
NAME OF SUBMITTER:	Barbara Friesen
SIGNATURE:	/Barbara Friesen/
DATE SIGNED:	06/05/2019

Total Attachments: 38

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TERMINATION AND RELEASE OF
PATENT AND TRADEMARK SECURITY AGREEMENT

This Termination and Release of Patent and Trademark Security Agreement (this "Termination"), dated as of May 31, 2019, is executed by U.S. Bank National Association not in its individual capacity but solely as Notes Collateral Agent ("Collateral Agent"), in favor of SANMINA, CORPORATION, a Delaware corporation ("Borrower"), HADCO CORPORATION, a Massachusetts corporation ("Hadco Corporation"), HADCO SANTA CLARA, a Delaware corporation ("Hadco Santa Clara"), and SCI TECHNOLOGY, INC., an Alabama corporation ("SCIT"), and SENSORWISE, INC., a Texas corporation ("SensorWise", and together with Borrower, Hadco Corporation, Hadco Santa Clara and SCIT, each a "Grantor" and collectively, the "Grantors"). All capitalized terms used in this Termination and not otherwise defined herein shall have the respective meanings given to such terms in the Security Agreements (defined below).

RECITALS

A.   Pursuant to (i) that certain Notice of Security Interest in Trademarks and Patents, dated as of June 4, 2014, by and among Borrower, Hadco Corporation, Hadco Santa Clara, SCIT and Collateral Agent, (ii) that certain Notice of Security Interest in Trademarks and Patents, dated as of August 5, 2015, by and between Borrower and Collateral Agent, (iii) that certain Notice of Security Interest in Trademarks and Patents, dated as of July 29, 2015, by and between SensorWise and Collateral Agent, (iv) that certain Notice of Security Interest in Trademarks and Patents, dated as of August 5, 2015, by and between Borrower and Collateral Agent, (v) that certain Notice of Security Interest in Trademarks and Patents, dated as of November 12, 2015, by and between Borrower and Collateral Agent, (vi) that certain Notice of Security Interest in Trademarks and Patents, dated as of February 17, 2016, by and between Borrower and Collateral Agent, (vii) that certain Notice of Security Interest in Trademarks and Patents, dated as of May 6, 2016, by and between Borrower and Collateral Agent, (viii) that certain Notice of Security Interest in Trademarks and Patents, dated as of August 2, 2016, by and between Borrower and Collateral Agent, (ix) that certain Notice of Security Interest in Trademarks and Patents, dated as of October 14, 2016, by and between Borrower and Collateral Agent, (x) that certain Notice of Security Interest in Trademarks and Patents, dated as of January 20, 2017, by and between Borrower and Collateral Agent, (xi) that certain Notice of Security Interest in Trademarks and Patents, dated as of April 20, 2017, by and between Borrower and Collateral Agent, (xii) that certain Notice of Security Interest in Trademarks and Patents, dated as of July 19, 2017, by and between Borrower and Collateral Agent, (xiii) that certain Notice of Security Interest in Trademarks and Patents, dated as of November 8, 2017, by and between Borrower and Collateral Agent, (xiv) that certain Notice of Security Interest in Trademarks and Patents, dated as of February 1, 2018, by and between Borrower and Collateral Agent, (xv) that certain Notice of Security Interest in Trademarks and Patents, dated as of May 3, 2018, by and between Borrower and Collateral Agent, (xvi) that certain Notice of Security Interest in Trademarks and Patent, dated as of August 3, 2018, by and between Borrower and Collateral Agent, (xvii) that certain Notice of Security Interest in Trademarks and Patents, dated as of October 22, 2018, by and between Borrower and Collateral Agent, (xviii) that certain Notice of Security Interest in Trademarks and Patents, dated as of January 31, 2019, by and between Borrower and Collateral Agent (collectively, the "Security Agreements"), the Grantors granted to Collateral Agent security interests in the IP Collateral (defined below).

B.   Collateral Agent is executing this Termination in order to evidence the termination and release of its security interests in the IP Collateral.

AGREEMENT

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

(a)   Collateral Agent expressly terminates and releases all of Collateral Agent's rights, titles and interests in, to and under the following items that were granted to Collateral Agent through the Security Agreements (collectively, the "IP Collateral"):

(i)   all Patents, including, without limitation, the patents and patent applications listed on Schedule I (the "Patents"),

(ii)   all Trademarks, including, without limitation, the trademark registrations and trademark applications listed on Schedule II (the "Trademarks"),

(iii)   all Patent Licenses and Trademark Licenses (collectively, "Licenses") and all income, royalties, damages and payments now and hereafter due and/or payable under and with respect to the Trademarks and Patents, including, without limitation, payments under all Licenses entered into in connection therewith and damages and payments for past or future infringements, misappropriations or dilutions thereof,

(iv)   the right to sue for past, present and future infringements, misappropriations and dilutions of any of the Trademarks and Patents, and

(v)   all of the Grantors' rights corresponding to any of the foregoing throughout the world.

(b)   The execution and delivery of this termination and release and any further documents and the performance of any actions by Collateral Agent are made without representation or warranty by, or recourse to, Collateral Agent.

(c)   Collateral Agent authorizes and requests the patent division of the United States Patent and Trademark Office to record this Termination and agrees to take further actions, as reasonably requested by Borrower, to evidence the release and termination of Collateral Agent's security interests in the Patents provided for herein, in each case at the sole expense of Borrower.

[Signature Page Follows]

IN WITNESS WHEREOF, Collateral Agent has executed and delivered this Termination as of the day and year first above written.

U.S. Bank National Association not in its individual capacity but solely as Notes Collateral Agent

By: _____

Name: Paula M. Oswald

Title: Vice President

[Termination and Release of Patent and Trademark Security Agreements]

SCHEDULE I

PATENTS AND PATENT APPLICATIONS

Title	Application No.	Patent No.	Date
Devices and methods for facilitating capture of unmanned aerial vehicles	62434324	-	12/14/2016
Low cost non-volatile dual inline memory module (NVDIMM)	62425016	-	11/21/2016
Using firmware-controlled heating element to manage energy storage cell equivalent series resistance (ESR)	62425009	-	11/21/2016
System and method for a blood flow stimulator	62409271	-	10/17/2016
Improved multilayer printed circuit board via hole registration and accuracy	62407807	-	10/13/2016
Network system with offload services for flash storage	9608936	-	03/28/2017
System and method for health monitoring including a user device and biosensor	15404117	-	1/11/2017
Devices and methods for facilitating blast and dispersion mitigation	62454630	-	2/3/2017
System and method for atomizing and monitoring a drug cartridge during inhalation treatments	62457138	-	2/9/2017

Title	Application No.	Patent No.	Date
System and method for monitoring nitric oxide levels using a non-invasive, multi-band biosensor	62463104	-	2/24/2017
System and method for atomizing and monitoring a drug cartridge during inhalation treatments	15462700	-	3/17/2017
Methods of forming blind vias for printed circuit boards	62474368	-	3/21/2017
Nets and devices for facilitating capture of unmanned aerial vehicles	62434329	-	12/14/2016
Tear-away arc fault relief panel for electrical cabinet	14711760	-	5/13/2015
Apparatus and method for visual field replaceable unit identification in the absence of host system device power	14794764	-	07/08/2015
Base board architecture for a server computer and method therefor	14732559	-	06/05/2015
Fast startup hybrid memory module	9019792	-	04/28/2015
Memory device with die stacking and heat dissipation	9013040	-	04/21/2015
Insertion and removal assembly for installing and removing data storage drives in an enclosure	9042094	-	05/26/2015

Title	Application No.	Patent No.	Date
Method for forming interposers and stacked memory devices	9016552	-	04/28/2015
Cache memory management system and method	9672180	-	6/6/2017
Methods of segmented through hole formation using dual diameter through hole edge trimming	9661758	-	5/23/2017
Apparatus and method for visual field replaceable unit identification in the absence of host system device power	9678551	-	6/13/2017
System and method for health monitoring using a non-invasive, multi-band biosensor	9642578	-	5/9/2017
Non-volatile dual in-line memory module (NVDIMM) multichip package	15600690	-	5/19/2017
System and method for a biosensor monitoring and tracking band	9642538	-	5/9/2017
System and method for a biosensor monitoring and tracking band	15489391	-	4/17/2017
System and method for a drug delivery and biosensor patch	9636457	-	5/2/2017
System and method for a drug delivery and biosensor patch	15485816	10155087	4/12/2017

Title	Application No.	Patent No.	Date
System and method for monitoring nitric oxide levels using non-invasive, multi-band biosensor	15622941	-	6/14/2017
Apparatuses and methods for cooling high density arrays of non-volatile memory mass storage devices	62488049	-	4/20/2017
Delay circuitry to hold up power to a mass storage device and method therefor	62501665	-	5/4/2017
Modular non-volatile memory express storage appliance and method therefor	62514604	-	6/2/2017
Tilt-rotr multicopters with variable pitch propellers	62519805	-	6/14/2017
Cable management assembly for rack mounted equipment	15224537	-	7/30/2016
System and method for a biosensor monitoring and tracking band	62373283	-	8/10/2016
System and method for a drug delivery and biosensor patch	62383313	-	9/2/2016
System and method for health monitoring using a non-invasive, multi-band biosensor	15275388	-	9/24/2016
System and method for a biosensor monitoring and tracking band	15275444	-	9/25/2016

Title	Application No.	Patent No.	Date
System and method for a drug delivery and biosensor patch	15276760	-	9/26/2016
Method and apparatus for supporting storage modules in standard memory and/or hybrid memory bus architectures	9390035	-	7/12/2016
Side loading enclosure for a rack mount type storage unit	9395767	-	7/19/2016
Optical media converter with edge-coupled filtering	9438347	-	9/6/2016
System and method for cache entry aging	9384147	-	7/5/2016
Hole plug for thin laminate	14981742	-	12/28/2015
Memory controller supporting concurrent volatile and nonvolatile memory modules in a memory bus architecture	9158716	-	10/13/2015
Structural member	D744317	-	12/1/2015
System and method for health monitoring including a remove device	62276934	-	1/10/2016
System and method for health monitoring using a non-invasive, multi-band sensor	62307375	-	3/11/2016
System and method for determining biosensor data using a broad spectrum light source	62312614	-	3/24/2016

Title	Application No.	Patent No.	Date
Flash-band storage system including reconfigurable circuitry	9286225	-	3/15/2016
Simultaneous and selective wide gap partitioning of via structures using plating resist	15723135	10123432	10/2/2017
Simultaneous and selective wide gap partitioning of via structures using plating resist	16181180	-	11/05/2018
System and method for health monitoring by an ear piece	16183354	-	11/07/2018
Vehicular health monitoring system and method	16208358	-	12/03/2018
High availability management techniques for cluster resources	9817721	-	11/14/2017
Network system to distribute chunks across multiple physical nodes with disk support for object storage	9852151	-	12/26/2017
Simultaneous and selective wide gap partitioning of via structures using plating resist	9781830	-	10/3/2017
Simultaneous and selective wide gap partitioning of via structures using plating resist	9781844	-	10/3/2017

Title	Application No.	Patent No.	Date
Multilayer printed circuit board via hole registration and accuracy	15784070	-	10/13/2017
System and method for a biosensor integrated in a vehicle	15811479	-	11/13/2017
Using a heating element to manage energy storage cell equivalent series resistance (ESR)	15820363	-	11/21/2017
Dual inline memory module	15820352	-	11/21/2017
Nets and devices for facilitating capture of unmanned aerial vehicles	15841199	-	12/13/2017
Devices and methods for facilitating capture of unmanned aerial vehicles	15841223	-	12/13/2017
System and method for health monitoring including a user device and biosensor	15804581	-	11/6/2017
System and method for monitoring nitric oxide levels using a non-invasive, multi-band biosensor	9788767	-	10/17/2017
Interposer for BGA high frequency automated measurements	62575232	-	10/20/2017

Title	Application No.	Patent No.	Date
System and method for health monitoring of an animal using a non-invasive, multi-band biosensor	62577707	-	10/26/2017
Vehicular health monitoring system and method	15859147	-	12/29/2017
Network system for cache offload service for flash storage	15914757	-	3/7/2018
Base board architecture for a server computer and method therefor	9904330	-	2/27/2018
System and method for obtaining health data using a neural network	15898580	-	2/17/2018
Devices and methods for facilitating blast and dispersion mitigation	15887769	-	2/2/2018
Methods of forming blind vias for printed circuit boards	15928042	-	3/21/2018
Drive carrier and method therefor	62625804	-	2/2/2018
System and method for infection discrimination using PPG technology	62613388	-	1/3/2018
System and method for movement detection using a PPG sensor	62643643	-	3/15/2018
Multiple protocol engine transaction processing	14531993	10042804	11/3/2014
Modular motherboard for a computer system and method thereof	16057580	-	8/7/2018

Title	Application No.	Patent No.	Date
System and method for motion detection using a PPG sensor	16103876	-	8/14/2018
Network system with offload services for flash storage	14552393	9608936	11/24/2014
Method and apparatus for supporting storage modules in standard memory and/or hybrid memory bus architectures	12975347	9390035	12/21/2010
Side loading enclosure for a rack mount type storage unit	14011081	9395767	11/13/2012
Optical media converter with edge-coupled filtering	14278004	9438347	5/15/2014
System and method for cache entry aging	14552344	9384147	11/24/2014
Retaining clip for use with a mass storage device	14601811	9361945	1/21/2015
Non-volatile dual inline memory module	62338514	-	5/19/2016
System with dynamically swappable electronic data storage devices based on connection status and method	14838627	-	8/28/2015
System and method for glucose monitoring	62194264	-	7/19/2015
Cable management assembly for rack mounted equipment	62199164	-	7/30/2015

Title	Application No.	Patent No.	Date
Computer system partitioning using data transfer routing mechanism	09932456	7921188	8/16/2001
Methods and apparatus for speculative probing with early completion and early request	10106299	7107408	3/22/2002
Methods and apparatus for speculative probing at a request cluster	10106426	7107409	3/22/2002
Methods and apparatus for speculative probing with early completion and delayed request	10106430	7103725	3/22/2002
Routing mechanisms in systems having multiple multi-processor clusters	10156893	7281055	5/28/2002
Methods and apparatus for speculative probing of a remote cluster	10157340	6865595	5/28/2002
Transaction management in systems having multiple multi-processor clusters	10157384	7155525	5/28/2002
Methods and apparatus for speculative probing of a remote cluster	10157388	7103636	5/28/2002
Address space management in systems having multiple multi-processor clusters	10157409	7251698	5/28/2002
Methods and apparatus for static and dynamic power management of computer systems	10188271	6986069	7/1/2002

Title	Application No.	Patent No.	Date
Computer server architecture and diagnostic framework for testing same	10199938	7080284	7/29/2002
Interrupt handling in systems having multiple multi-processor clusters	10200471	7039740	7/19/2002
Methods and apparatus for managing probe requests	10288347	7003633	11/4/2002
Methods and apparatus for managing probe requests	10288399	7103726	11/4/2002
Transaction processing using multiple protocol engines in systems having multiple multi-processor clusters	10289492	8185602	11/5/2002
Cache coherence directory eviction mechanisms for unmodified copies of memory lines in multiprocessor systems	10289497	6925536	11/5/2002
Cache coherence directory eviction mechanisms in multiprocessor systems which maintain transaction ordering	10289499	6934814	11/5/2002
Cache coherence directory eviction mechanisms for modified copies of memory lines in multiprocessor systems	10289521	6920532	11/5/2002
Methods and apparatus for multiple cluster locking	10291895	6950913	11/8/2002

Title	Application No.	Patent No.	Date
Methods and apparatus for distributing system management signals	10300408	7577755	11/19/2002
Methods and apparatus for cancelling a memory data fetch	10321078	7162589	12/16/2002
Methods and apparatus for distributing system management signals	10356393	7418517	1/30/2003
Method and equipment adapted for monitoring system components of a data processing system	10404809	7386796	4/1/2003
Managing I/O accesses in multiprocessor systems	10414834	7047372	4/15/2003
Method, system, software, and processor for initializing information systems operating in headless and non-headless environments	10417248	7225327	4/11/2003
Managing sparse directory evictions in multiprocessor systems via memory locking	10422514	7024521	4/24/2003
Methods and apparatus for providing cache state information	10426084	7272688	4/28/2003
Methods and apparatus for maintaining remote cluster state information	10435072	7346744	5/9/2003
Methods and apparatus for providing cache state information	10442845	7334089	5/20/2003

Title	Application No.	Patent No.	Date
Methods and apparatus for extended packet communications between multiprocessor clusters	10462015	7069392	6/12/2003
Bandwidth, framing and error detection in communications between multi-processor clusters of multi-cluster computer systems	10602280	7386626	6/23/2003
Multi-processing in a bios environment	10602396	7194660	6/23/2003
Dynamic multiple cluster system reconfiguration	10607819	7577727	6/27/2003
Methods and apparatus for sending targeted probes	10608846	7337279	6/27/2003
Methods and devices for injecting commands in systems having multiple-processor clusters	10635700	7222262	8/5/2003
Methods and apparatus for providing early responses from a remote data cache	10635703	7249224	8/5/2003
Synchronized communication between multi-processor clusters of multi-cluster computer systems	10635705	7159137	8/5/2003
Communication between and within multi-processor clusters of multi-cluster computer systems	10635744	7395347	8/5/2003

Title	Application No.	Patent No.	Date
Reliable communication between multi-processor clusters of multi-cluster computer systems	10635793	7117419	8/5/2003
Communication between multi-processor clusters of multi-cluster computer systems	10635884	7103823	8/5/2003
Method and system for enabling remote access to a computer system	10767400	7512971	1/29/2004
Data credit pooling for point-to-point links	10918771	7719964	8/12/2004
Reducing probe traffic in multiprocessor systems	10966161	7296121	10/15/2004
Facilitating handling of exceptions in a program implementing M-on-N threading model	11142227	7877629	6/1/2005
Synthesis of global transaction tags	11185547	7561572	7/20/2005
Method for efficiently calculating deadlock-free optimal routing matrices for N-node point-to-point networks	11258228	-	10/24/2005
Method for efficiently retrieving topology-specific data for point-to-point networks	11258782	7492716	10/26/2005

Title	Application No.	Patent No.	Date
Method for sharing a data store across event management frameworks and system comprising same	11298803	7647596	12/8/2005
Method for facilitating unification of event framework views and system comprising same	11353399	7694309	12/14/2006
Method for efficiently retrieving topology-specific data for point-to-point networks	12365838	8411591	2/4/2009
Method and system for enabling remote access to a computer system	12378497	7908648	2/17/2009
Transaction processing using multiple protocol engines	13327483	8572206	12/15/2011
Method for efficiently retrieving topology-specific data for point-to-point networks	13783190	8811232	3/1/2003
Transaction processing using multiple protocol engines	14021984	8898254	9/9/2013
Storage system with flow based services for flash storage	14321218	9973424	7/1/2014
Multiple protocol engine transaction processing	14531993	10042804	11/3/2014
Network system with cache offload service for flash storage	14552400	9940241	11/24/2014

Title	Application No.	Patent No.	Date
System and method for a biosensor monitoring and tracking band	15489391	9974451	4/17/2017
System and method for detecting a sepsis condition	15680991	9968289	8/18/2017
System and method for detecting a health condition using an optical sensor	15958620	-	4/20/2018
Apparatuses and methods for cooling high density arrays of non-volatile memory mass storage devices	15959127	-	4/20/2018
Methods of forming segmented vias for printed circuit boards	15963980	-	4/26/2018
Delay circuitry to hold up power to a mass storage device and method therefor	15971712	-	5/4/2018
Modular non-volatile memory express storage appliance and method therefor	15997686	-	6/4/2018
Tilt-rotr multicopters with variable pitch propellers	16004316	-	6/8/2018
System and method for blood typing using PPG technology	16019518	-	6/26/2018
Sensed back drill	62662076	-	4/24/2018
System and method of a biosensor for detection of vasodilation	62675151	-	5/22/2018

Title	Application No.	Patent No.	Date
Network system to distribute chunks across multiple physical nodes	9697226	-	7/4/2017
System and method for cache data recovery	9715428	-	7/25/2017
Modular motherboard for a computer system and method thereof	62542161	-	8/7/2017
Ultra thin dielectric printed circuit boards with thin laminates and method of manufacturing thereof	62533005	-	7/15/2017
System and method for a blood flow stimulator	15707914	-	9/18/2017
Laser trimming of resistors	10454253	6940038	6/3/2003
Laser trimming of annular passive components	10302099	6972391	11/21/2002
Laser trimming of resistors	11094003	7329831	3/29/2005
Towed airborne vehicle control and explosion damage assessment	10062093	6739232	1/31/2002
System and method for blood typing using PPG technology	15867632	10039500	1/10/2018
Transaction processing using multiple protocol engines	13327483	8572206	12/15/2011
Embedded capacitive stack	12045660	9161447	3/10/2008

Title	Application No.	Patent No.	Date
Method for forming interposers and stacked memory devices	14696483	9287235	4/27/2015
Network storage system using flash storage	13844663	9304902	3/15/2013
Method of configuring a system for flow based services for flash storage and associated information structure	14321317	9509604	7/1/2014
Network storage system using flash storage	15000949	9870154	1/19/2016
Cable management assembly for rack mounted equipment	15224537	9936601	7/30/2016
System and method for health monitoring using a non-invasive, multi-band biosensor	15490813	9980676	4/18/2017
System and method for glucose monitoring	14866500	-	9/25/2015
System and method for health monitoring including a remote device	15400916	-	1/6/2017
System and method for monitoring nitric oxide levels using a non-invasive, multi-band biosensor	15718721	-	9/28/2017
Simultaneous and selective wide gap partitioning of via structures using plating resist	15723086	-	10/2/2017

Title	Application No.	Patent No.	Date
System and method for detecting a health condition using an optical sensor	15958620	-	4/20/2018
Ultra thin dielectric printed circuit boards with thin laminates and method of manufacturing thereof	16036913	-	7/16/2018
System and method of a biosensor for detection of vasodilation	16172661	-	10/26/2018
Printed circuit boards with embedded electro-optical passive element for higher bandwidth transmission	13673986	9433078	11/9/2012
Towed airborne vehicle control and explosion damage assessment	10062093	6739232	1/31/2002
Current mode coupler having a unitary casing	10126168	6794769	4/19/2002
Simultaneous and selective partitioning of via structures using plating resist	12483223	8222537	6/11/2009
Method for efficiently retrieving topology-specific data for point-to-point networks	12365838	8411591	2/4/2009
Radio frequency identification for collecting stage-by-stage manufacturing information associated with a circuit board	13233872	8552867	9/15/2011

Title	Application No.	Patent No.	Date
Transaction processing using multiple protocol engines	13327483	8572206	12/15/2011
Battery-less cache memory module with integrated backup	13675819	9390767	11/13/2012
Capacity-expanding memory device	11142989	-	6/1/2005
Seismic data acquisition system and method for downhole use	12128492	7535795	5/28/2008
Mounting power handling components on printed circuit boards near high density routing channels	10/602,366 20040257781	7,019,983	06/23/2003
Disk drive backplane capable of supporting multiple disk drive carrier designs	10/602,453 20040257760	6,970,352	06/23/2003
Interposer device	10/835,802 20050243531	7,106,600	04/29/2004
Printed circuit board engagement systems and methods	11/742,286 20080264192	7,581,959	04/30/2007
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Enclosure architecture of high density, easy access, racked data storage	14/011,081 20140055944	-	08/27/2013
Cooling airflow distribution device	09/927,659 20020173266	6,506,111	08/10/2001

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Authentication device, system and methods	10/346,402 20040135801	7,542,945	01/15/2003
Method for optimizing high frequency performance of via structures	10/383,139 20040176938	7,249,337	03/06/2003
Interconnect for electrically connecting a multichip module to a circuit substrate and processes for making and using same	10/000,819 20030104713	6,609,915	11/30/2001
Cable restraining bracket	09/668,192	6,443,404	09/22/2000
Electrical cable strain relief and electrical closure	10/417,521 20030211780	6,811,441	04/17/2003
Test socket for ball grib array electronic module	09/899,691 20030006792	6,624,647	07/05/2001
Temperature-controlled flexible optical circuit for use in an erbium-doped fiber amplifier and method for fabricating the flexible optical circuit	10/730,460 20050018950	7,233,712	12/08/2003
Stackable electronic assembly	10/656,452 20050051903	7,180,165	09/05/2003
Non-inverting cross-gain modulation-based wavelength converter	11/031,503 20060152798	7,342,713	01/07/2005

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Systems and methods for optical pumping using depolarizing filters	11/038,561 20060159149	7,529,287	01/18/2005
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Reconfigurable backplane power distribution	11/110,600 20060232134	7,394,170	04/19/2005
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Inline system for collecting stage-by-stage manufacturing metrics	11/336,213 20070173970	7,893,833	01/20/2006
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Systems and methods for base station enclosures	11/720,435 20090008076	8,115,145	06/05/2008
Embedded capacitive stack	12/045,656 20080216298	8,713,769	03/10/2008

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Structural member for a rack	29/340,383	D639585	07/17/2009
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Simultaneous and selective partitioning of via structures using plating resist	12/483,223	8,222,537	06/11/2009
Global rack system	12/355,493	8,083,301	01/16/2009
Stackable electronic assembly	12/557,643	RE42,363	02/15/2010
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Title	Application No.	Patent No.	Date
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Interconnect for electrically connecting a multichip module to a circuit substrate and processes for making and using same	10/648,407	7,073,253	08/25/2003
Cooling airflow distribution device	10/482,832	7,011,576	03/14/2006
Stiffener for stiffening a circuit board	10/264,362	6,880,243	10/04/2002
Circuit board standoff	10/264,368	6,923,691	10/04/2002
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Towed airborne vehicle control and explosion damage assessment	10/062,093	6,739,232	01/31/2002
Current mode coupler	10/126,168	6,794,769	04/19/2002
Cable dispenser and method	10/074,321	6,988,854	02/12/2002
Capacity-expanding memory device	11/142,989 20060277355	-	06/01/2005
Systems and methods for tracking insertion and removal cycles of optical transceiver modules	12/906,102 20120051490	-	10/17/2010

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Method and apparatus for supporting storage modules in standard memory and/or hybrid memory bus architectures	12/975,347 20110153903	-	12/21/2010
Method and apparatus for forming plugs in vias of a circuit board layer	09/159,429	6,276,055	09/24/1998
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In situ method for forming a bypass capacitor element internally within a capacitive PCB	08/147,671	5,800,575	11/03/1993
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Gas avalanche neutron detector	13/612,356		12/09/2012
Methods and apparatus for responding to a request cluster	10145438	7653790	05/13/2002
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Foreign Patent (China)	Embedded capacitive stack for multilayer circuit boards	ZL200880015225.7	-	10/26/2016
Foreign Patent (WIPO)	System and method for health monitoring including a user device and biosensor	PCT/US17/12889	-	1/10/2017

Foreign Patent (WIPO)	System and method for atomizing and monitoring a drug cartridge during inhalation treatments	PCT/US17/23077	-	3/17/2017
Foreign Patent (JAPAN)	Embedded capacitive stack	6095039	-	2/24/2017
Foreign Patent (JAPAN)	Printed circuit boards with embedded electro-optical passive element for higher bandwidth transmission	6133884	-	4/28/2017
Foreign Patent (EUROPE)	Hole plug thin laminate	TBD	-	6/22/2017
Foreign Patent (JAPAN)	Hole plug thin laminate	TBD	-	6/22/2017
Foreign Patent (CHINA)	Methods for forming high aspect ratio plated through holes and high precision stub removal in a printed circuit board	TBD	-	1/22/2016 (National phase entered 9/20/2016)
Foreign Patent (JAPAN)	Methods for forming high aspect ratio plated through holes and high precision stub removal in a printed circuit board	2016-547860	-	1/22/2016 (National phase entered 7/21/2016)
Foreign Patent (KOREA)	Methods for forming high aspect ratio plated through holes and high precision stub removal in a printed circuit board	10-2016-7022503	-	1/22/2016 (National phase entered 8/18/2016)
Foreign Patent (CHINA)	Methods of forming segmented vias for printed circuit boards	201480073032.0	-	12/17/2014 (National phase entered 7/13/2016)
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Foreign Patent (WIPO)	System and method for glucose monitoring	PCT/US16/41791	-	7/11/2016
Foreign Patent (WIPO)	Cable management assembly for rack mounted equipment	PCT/US16/44933	-	7/30/2016
Foreign Patent (WIPO)	System and method for health monitoring using a non-invasive, multi-band biosensor	PCT/US16/53631	-	9/25/2016
Foreign Patent (WIPO)	System and method for a biosensor monitoring and tracking band	PCT/US16/53632	-	9/25/2016
Foreign Patent (WIPO)	System and method for a drug delivery and biosensor patch	PCT/US16/53845	-	9/26/2016
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Foreign Patent (JAPAN)	Method of segmented through hole formation using dual diameter through hole edge trimming	TBD	-	8/19/2014 (national Phase entered 2/19/2016)
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Foreign Patent (WO)	Dual inline memory module	PCT/US17/62891	-	11/21/2017
Foreign Patent (WO)	Nets and devices for facilitating capture of unmanned aerial vehicles	PCT/US17/66538	-	12/14/2017
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Foreign Patent (WO)	Devices and methods for facilitating blast and dispersion mitigation	PCT/US2018/016762	-	2/3/2018
Foreign Patent (WO)	System and method for monitoring nitric oxide levels using a non-invasive, multi-band biosensor	PCT/US2018/019273	-	2/22/2018
Foreign Patent (WO)	Methods of forming blind vias for printed circuit boards	PCT/US2018/023660	-	3/21/2018

Foreign Patent (CN)	Enclosure architecture of high density, easy access, racked data storage	ZL201380044258.5	-	1/5/2018
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Foreign Patent (EP)	Cable management assembly for rack mounted equipment	16831463.1	-	1/31/2018
Foreign Patent (CA)	System and method for health monitoring using a non-invasive, multi-band biosensor	2999410	-	3/20/2018
Foreign Patent (CN)	System and method for health monitoring using a non-invasive, multi-band biosensor	201680055795.3	-	3/23/2018
Foreign Patent (EP)	System and method for health monitoring using a non-invasive, multi-band biosensor	16849833.5	-	3/20/2018
Foreign Patent (IN)	System and method for health monitoring using a non-invasive, multi-band biosensor	201817009972	-	3/19/2018
Foreign Patent (CN)	System and method for a biosensor monitoring and tracking band	201680055700.8	-	3/23/2018
Foreign Patent (EP)	System and method for a biosensor monitoring and tracking band	16849834.3	-	3/21/2018
Foreign Patent (EP)	System and method for a drug delivery and biosensor patch	16849902.8	-	3/21/2018
Foreign Patent (TAIWAN)	Method for making an electrically conductive via in a multilayer printed circuit board	1531289	-	4/21/2016

	Methods of forming segmented vias for printed circuit boards	2016-540542	-	12/17/2017 (National phase entered 6/16/2016)
Foreign Patent (KOREA)	Embedded capacitive stack	10-1551501	-	9/2/105
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Foreign Patent (CHINA)	Substantially continuous layer of embedded transient protection for printed circuit boards	ZL2006800004950.5	-	9/16/2015
Foreign Patent (WO)	Apparatus and method for visual field replaceable unit identification in the absence of host system device power	PCT/US15/39624	-	7/8/2015
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