

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4806876

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
	Name	Execution Date
	SANMINA CORPORATION	02/01/2018
RECEIVING PARTY DATA		
Name:	U.S. BANK NATIONAL ASSOCIATION, NOT IN ITS INDIVIDUAL CAPACITY BUT SOLELY AS NOTES COLLATERAL AGENT	
Street Address:	633 WEST FIFTH STREET, 24TH FLOOR	
City:	LOS ANGELES	
State/Country:	CALIFORNIA	
Postal Code:	90071	
PROPERTY NUMBERS Total: 22		
Property Type	Number	
Patent Number:	9817721	
Patent Number:	9852151	
Patent Number:	9781830	
Patent Number:	9781844	
Patent Number:	9788767	
Application Number:	15723086	
Application Number:	15723135	
Application Number:	15784070	
Application Number:	15811479	
Application Number:	15820363	
Application Number:	15820352	
Application Number:	15841199	
Application Number:	15841223	
Application Number:	15804581	
Application Number:	62575232	
Application Number:	62577707	
Application Number:	15859147	
PCT Number:	US1756681	
PCT Number:	US1762898	
PCT Number:	US1762891	

PATENT

Property Type	Number
PCT Number:	US1766538
PCT Number:	US1766544

CORRESPONDENCE DATA

Fax Number: (415)947-2099

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: 4159472000

Email: qluflood@wsgr.com

Correspondent Name: WSGR, C/O QUI LU FLOOD, SENIOR PARALEGAL

Address Line 1: ONE MARKET, SPEAR TOWER, SUITE 3300

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

ATTORNEY DOCKET NUMBER:	6069.285
NAME OF SUBMITTER:	QUI LU FLOOD
SIGNATURE:	/Qui Lu Flood/
DATE SIGNED:	02/02/2018

Total Attachments: 7

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NOTICE OF SECURITY INTEREST IN TRADEMARKS AND PATENTS

Feb 1, 2018 ("Notice") is made by Sanmina Corporation, a Delaware corporation (the "Grantor"), in favor of U.S. Bank National Association, not in its individual capacity but solely as Notes Collateral Agent (the "Notes Collateral Agent"), for its own benefit and the benefit of the other Secured Parties (as defined in the Security Agreement referred to below), in consideration of the mutual covenants contained herein and benefits to be derived herefrom.

WITNESSETH:

WHEREAS, Grantor is a party to a Security Agreement, dated as of June 4, 2014, by and among Sanmina Corporation, the Notes Guarantors from time to time party thereto and U.S. Bank National Association for the benefit of the Notes Collateral Agent and the Secured Parties (as amended, modified, supplemented or restated and in effect from time to time, the "Security Agreement");

WHEREAS, pursuant to the Security Agreement, Grantor has executed and delivered this Notice for the purpose of recording and confirming the grant of the security interest of the Notes Collateral Agent in the Trademark Collateral and Patent Collateral (each as defined below) with the United States Patent and Trademark Office;

NOW, THEREFORE, in consideration of the mutual conditions and agreements set forth herein and in the Security Agreement, and for good and valuable consideration, the receipt of which is hereby acknowledged, the Grantor and the Notes Collateral Agent, on its own behalf and on behalf of the other Secured Parties (and each of their respective successors or assigns), hereby agree as follows:

SECTION 1 Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2 Notice. Grantor hereby notifies the Notes Collateral Agent of Grantor's filing applications for, being issued a registration in or receiving an issuance of the applications for registration of, or otherwise acquiring ownership of the registered or applied for Trademark Collateral and Patent Collateral (each as defined below).

SECTION 3 Grant of Security Interest. In furtherance and as confirmation of the Security Interest granted by the Grantor to the Notes Collateral Agent (for its own benefit and the benefit of the other Secured Parties) under the Security Agreement, and as further security for the payment or performance, as the case may be, in full of the Secured Obligations, the Grantor hereby ratifies such Security Interest and grants to the Notes Collateral Agent (for its own benefit and the benefit of the other Secured Parties) a continuing security interest, in all of the present and future right, title and interest of the Grantor in, to and under the following property, and each item thereof, whether now owned or existing or hereafter acquired or arising, together with all products, proceeds, substitutions, and accessions of or to any of the following property (collectively, the "Trademark and Patent Collateral"):

(a) All Trademarks, including, without limitation, the trademark registrations and trademark applications set forth on Exhibit A attached hereto (collectively, "Trademarks");

(b) All Patents, including, without limitation, the patents and patent applications set forth on Exhibit B attached hereto (collectively, "Patents");

(c) 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;

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

(e) All of the Grantor's rights corresponding to any of the foregoing throughout the world.

Notwithstanding the foregoing, (i) no Trademark shall be included in the Trademark and Patent Collateral to the extent that the grant of a security interest in such Trademark would result in, permit or provide grounds for the cancellation or invalidation of such Trademark and (ii) in no event shall the Trademark and Patent Collateral include any Excluded Assets.

SECTION 4. Intent. This Notice is being executed and delivered by the Grantor for the purpose of recording and confirming the grant of the security interest of the Notes Collateral Agent in the Trademark and Patent Collateral with the United States Patent and Trademark Office. It is intended that the security interest granted pursuant to this Notice is granted in conjunction with, and not in addition to or limitation of, the Security Interest granted to the Notes Collateral Agent, for its own benefit and the benefit of the other Secured Parties, under the Security Agreement. All provisions of the Security Agreement shall apply to the Trademark and Patent Collateral, and such provisions are hereby incorporated herein by reference. The Notes Collateral Agent shall have the same rights, remedies, powers, privileges and discretions with respect to the security interests created in the Trademark and Patent Collateral as in all other Collateral. In the event of a conflict between this Notice and the Security Agreement, the terms of the Security Agreement shall control.

SECTION 5. Recordation. The Grantor authorizes and requests that the Commissioner for Patents and the Commissioner for Trademarks and any other applicable government officer record this Notice.

SECTION 6. Governing Law. THIS NOTICE SHALL BE GOVERNED BY, AND CONSTRUED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK.

SECTION 7. Termination; Release of Trademark and Patent Collateral. Upon termination of the Security Interest in the Trademark and Patent Collateral in accordance with the Security Agreement, the Notes Collateral Agent shall execute, acknowledge, and deliver to the Grantor, an instrument in writing in recordable form releasing the collateral pledge, grant, lien and security interest in the Trademark and Patent Collateral under this Notice. Any execution and delivery of termination statements, releases or other documents pursuant to this Section 7 shall be without recourse to, or warranty by, the Notes Collateral Agent or any other Secured Party.

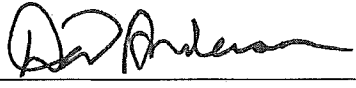
SECTION 8. Concerning the Notes Collateral Agent. It is expressly understood and agreed that U.S. Bank National Association is executing this Notice solely in its capacity as Notes Collateral Agent as appointed pursuant to the Indenture, and shall be entitled to all of the rights, privileges, immunities and protections under the Indenture as if such rights, privileges, immunities and protections were set forth herein.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, the Grantor and the Notes Collateral Agent have caused this Notice to be executed by their duly authorized officers as of the date first above written.

GRANTOR:

SANMINA CORPORATION

By: _____

Name: David Anderson

Title: Executive Vice President and
Chief Financial Officer

NOTES COLLATERAL AGENT:

U.S. BANK NATIONAL ASSOCIATION, not in its
individual capacity but solely as Notes Collateral Agent

By: 

Name: Paula Oswald

Title: Vice President

EXHIBIT A

Trademark Registrations and Applications

None.

EXHIBIT B**Patents and Patent Applications
U.S. Patents and Patent Applications**

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>
HIGH AVAILABILITY MANAGEMENT TECHNIQUES FOR CLUSTER RESOURCES	9,817,721	11/14/2017
NETWORK SYSTEM TO DISTRIBUTE CHUNKS ACROSS MULTIPLE PHYSICAL NODES WITH DISK SUPPORT FOR OBJECT STORAGE	9,852,151	12/26/2017
SIMULTANEOUS AND SELECTIVE WIDE GAP PARTITIONING OF VIA STRUCTURES USING PLATING RESIST	9,781,830	10/03/2017
SIMULTANEOUS AND SELECTIVE WIDE GAP PARTITIONING OF VIA STRUCTURES USING PLATING RESIST	15/723,086	10/02/2017
SIMULTANEOUS AND SELECTIVE WIDE GAP PARTITIONING OF VIA STRUCTURES USING PLATING RESIST	9,781,844	10/03/2017
SIMULTANEOUS AND SELECTIVE WIDE GAP PARTITIONING OF VIA STRUCTURES USING PLATING RESIST	15/723,135	10/02/2017
MULTILAYER PRINTED CIRCUIT BOARD VIA HOLE REGISTRATION AND ACCURACY	15/784,070	10/13/2017
SYSTEM AND METHOD FOR A BIOSENSOR INTEGRATED IN A VEHICLE	15/811,479	11/13/2017
USING A HEATING ELEMENT TO MANAGE ENERGY STORAGE CELL EQUIVALENT SERIES RESISTANCE (ESR)	15/820,363	11/21/2017
DUAL INLINE MEMORY MODULE	15/820,352	11/21/2017
NETS AND DEVICES FOR FACILITATING CAPTURE OF UNMANNED AERIAL VEHICLES	15/841,199	12/13/2017
DEVICES AND METHODS FOR FACILITATING CAPTURE OF UNMANNED AERIAL VEHICLES	15/841,223	12/13/2017
SYSTEM AND METHOD FOR HEALTH MONITORING INCLUDING A USER DEVICE AND BIOSENSOR	15/804,581	11/06/2017
SYSTEM AND METHOD FOR MONITORING NITRIC OXIDE LEVELS USING A NON-INVASIVE, MULTI-BAND BIOSENSOR	9,788,767	10/17/2017
INTERPOSER FOR BGA HIGH FREQUENCY AUTOMATED MEASUREMENTS	62/575,232	10/20/2017
SYSTEM AND METHOD FOR HEALTH MONITORING OF AN ANIMAL USING A NON-INVASIVE, MULTI-BAND BIOSENSOR	62/577,707	10/26/2017
VEHICULAR HEALTH MONITORING SYSTEM AND METHOD	15/859,147	12/29/2017

Foreign Patents and Patent Applications

<u>Title</u>	<u>App/Reg. No.</u>	<u>App/Reg. Date</u>	<u>Country</u>
IMPROVED MULTILAYER PRINTED CIRCUIT BOARD VIA HOLE REGISTRATION AND ACCURACY	PCT/US17/56681	10/13/2017	WO
USING A HEATING ELEMENT TO MANAGE ENERGY STORAGE CELL EQUIVALENT SERIES RESISTANCE (ESR)	PCT/US17/62898	11/21/2017	WO
DUAL INLINE MEMORY MODULE	PCT/US17/62891	11/21/2017	WO
NETS AND DEVICES FOR FACILITATING CAPTURE OF UNMANNED AERIAL VEHICLES	PCT/US17/66538	12/14/2017	WO
DEVICES AND METHODS FOR FACILITATING CAPTURE OF UNMANNED AERIAL VEHICLES	PCT/US17/66544	12/14/2017	WO