

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3884987

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TRIUNE IP, LLC	01/31/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HSBC BANK USA, NATIONAL ASSOCIATION
<b>Street Address:</b>	660 S. FIGUEROA ST., SUITE 800
<b>Internal Address:</b>	ATTN: SEMTECH RELATIONSHIP MANAGER
<b>City:</b>	LOS ANGELES
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	90017
<b>PROPERTY NUMBERS Total: 4</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14970396
Application Number:	14946555
Application Number:	14878220
Application Number:	14988647
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(213)443-2926
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<b>Address Line 4:</b>	LOS ANGELES, CALIFORNIA 90071
<b>ATTORNEY DOCKET NUMBER:</b>	03VV-191423
<b>NAME OF SUBMITTER:</b>	JULIE CRAVITZ
<b>SIGNATURE:</b>	/julie cravitz/
<b>DATE SIGNED:</b>	05/23/2016
<b>Total Attachments: 4</b>	

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## SUPPLEMENT TO GRANT OF SECURITY INTEREST (PATENTS)

This Supplement to Grant of Security Interest (Patents) (the "*Patent Security Agreement Supplement*") dated as of January 31, 2016, is delivered by **Triune IP, LLC**, a Texas limited liability company ("*Assignor*"), pursuant to (a) that Grant of Security Interest (Patents) dated as of May 13, 2015 (as amended, modified and supplemented to the date hereof and as the same may from time to time hereafter be further amended, modified, supplemented or restated, the "*Patent Security Agreement*"), by Assignor in favor of **HSBC Bank USA, National Association**, in its separate capacity as Administrative Agent, for the benefit of the Secured Parties, and (b) Section 5(a) of that Security Agreement dated as of May 2, 2013 (as amended, modified and supplemented to the date hereof and as the same may from time to time hereafter be further amended, modified, supplemented or restated, the "*Security Agreement*"), by Semtech Corporation, a Delaware corporation ("*Borrower*") and certain of Borrower's other direct or indirect domestic subsidiaries, jointly and severally as Grantors, in favor of **HSBC Bank USA, National Association**, in its separate capacity as Administrative Agent, for the benefit of the Secured Parties. Capitalized terms used but not defined herein will have the meaning ascribed to such terms in the Patent Security Agreement and/or the Security Agreement, as applicable.

The undersigned hereby agrees that (i) this Patent Security Agreement Supplement may be attached to the above-referenced Patent Security Agreement and will become and be a part thereof with the same force and effect as if originally attached thereto, and (ii) the additional Patents (as defined in the Patent Security Agreement) listed on **Schedule I** to this Patent Security Agreement Supplement will be and become part of the Collateral pledged by the undersigned to the Administrative Agent, for the benefit of the Secured Parties, in the Patent Security Agreement (and in the Security Agreement) with the same force and effect as if originally named therein.


The undersigned hereby certifies that the representations and warranties set forth in the Security Agreement are true and correct as to the Collateral listed herein on and as of the date hereof.

*[remainder of page intentionally left blank]*

IN WITNESS WHEREOF, each of the parties has caused this Patent Security Agreement Supplement to be duly executed as of the date first written above.

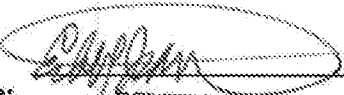
**ASSIGNORS:**

**TRIUNE IP, LLC,**  
a Texas limited liability company

By:   
Name: Charles B. Anderson  
Title: Secretary

**ACCEPTED:**

**HSBC BANK USA, NATIONAL ASSOCIATION,**  
as Administrative Agent

By:   
Name: CLIFF JACKMAN  
Title: VICE PRESIDENT

Schedule I

Registered U.S. Patents (not already reported as a Pending Application)

**RECORD OWNER: TRIUNE IP, LLC**

Record Owner	Title	Application No.	Filing Date	Pub No./ Registration No.	Pub. Date/ Issue Date	Status
	None.					

Pending U.S. Patent Applications

**RECORD OWNER: TRIUNE IP, LLC**

Record Owner	Title	Application No.	Filing Date	Pub No./ Registration No.	Pub. Date/ Issue Date	Status
Triune IP, LLC	Low Power Converter (Continuation)	14/970,396	12/15/2015			Pending
Triune IP, LLC	Marking Verification System (Re-Issue Application)	14/946,555	11/19/2015			Pending
Triune IP, LLC	Micro Matrix Data Marking (Re-Issue Application)	14/878,220	10/8/2015			Pending
Triune IP, LLC	Voltage Transient Protection Circuitry (Continuation)	14/988,647	1/5/2016			Pending