

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID KRAVITZ	11/20/2014
MANAN SALVI	02/18/2015
DAVID A. CARLSON	03/19/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CAVIUM, INC.
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<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14940585
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	575118: CVM-019US
<b>NAME OF SUBMITTER:</b>	WEBER HSIAO
<b>SIGNATURE:</b>	/Weber Hsiao/
<b>DATE SIGNED:</b>	11/13/2015
<b>Total Attachments: 4</b>	
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Joint

ASSIGNMENT

WHEREAS, we, David Kravitz, Manan Salvi and David A. Carlson have invented a certain improvement in **IMPLEMENTING 128-BIT SIMD OPERATIONS ON A 64-BIT DATAPATH** described in an application for Patent,

- ☐ the specification of which is about to be filed in the United States Patent Office (*use for utility (37 CFR § 1.53(b)) and design filings only*);
- ☐ is about to be filed in the United States Patent Office as a Provisional Application;
- ☒ the specification of which is United States Application No. 62/079,881, filed November 14, 2014;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [ ], filed [ ], which designates the United States of America [and assigned United States Application No. [ ]];
- ☐ which was patented under United States Patent No. [ ].

WHEREAS, Cavium, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 2315 N. First Street, San Jose, CA 95131, desires to acquire an interest therein in accordance with agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements, and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred, and by these presents do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title, and interest in and throughout the United States of America, its territories, and all foreign countries, in and to said invention as described in said application, together with the entire right, title, and interest in and to said application and such Letters Patent as may issue on said invention; said invention, application, and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf, and for its successors, assigns, and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of the entire right, title, and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent

by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title, and interest therein; I hereby expressly authorize the filing of an International Patent Application under the Patent Cooperation Treaty which corresponds to and claims the priority of the above-identified application;

AND, I hereby further agree for myself, and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts, which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of any future applications including substitution, reissue, divisional, or continuation applications, and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention, or any application or patent directed thereto, may be involved;

AND, I do hereby authorize and request each Patent Office and the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said invention to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor's Signature: \_\_\_\_\_

*David Kravitz*  
David Kravitz

State/Commonwealth \_\_\_\_\_

of *Massachusetts* \_\_\_\_\_

County of *Middlesex* \_\_\_\_\_

On this *20th* day of *November*, 20 *14*, before me, the undersigned notary public, personally appeared **David Kravitz**,

☐ personally known to me, or

☒ proved to me through satisfactory evidence of identification, which was

*MA Driving License*

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

*Francis Mwangi*  
Notary Public

*Francis Mwangi*  
(print name)

My Commission expires *5 / 28 / 2015*



FRANCIS G. MWANGI  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 28, 2015

Inventor's Signature: \_\_\_\_\_

*David A. Carlson*

David A. Carlson

State/Commonwealth MASSACHUSETTS

of MIDDLESEX

County of \_\_\_\_\_

On this 19 day of MARCH, 2015, before me, the undersigned notary public, personally appeared **David A. Carlson**,

☐ personally known to me, or

☒ proved to me through satisfactory evidence of identification, which was  
TX. DRIV. LIC.

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

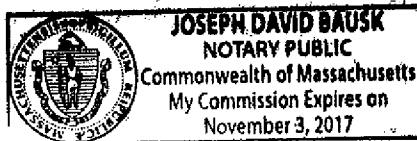
*Joseph David Bausk*  
JOSEPH DAVID BAUSK

Notary Public

(print name)

My Commission expires 11 / 3 / 2017

4812-7243-6000.1



Inventor's Signature: \_\_\_\_\_

*[Signature]*

Manan Salvi

State/Commonwealth \_\_\_\_\_

of MASSACHUSETTS

County of MIDDLESEX

On this 18 day of FEBRUARY, 20 15, before me, the undersigned notary public, personally appeared **Manan Salvi**,

☐ personally known to me, or

☒ proved to me through satisfactory evidence of identification, which was  
MA. DRIV. LIC.

to be the person whose name was signed on the foregoing instrument in my presence, and acknowledged that he/she signed the foregoing instrument as his/her free act and deed.

(SEAL)

*[Signature]*  
JOSEPH DAVID BAUSK

Notary Public

(print name)

My Commission expires NOV / 3 / 2017

