

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Robert A. Sanzone</td> <td>12/13/2011</td> </tr> <tr> <td>David H. Asher</td> <td>12/12/2011</td> </tr> <tr> <td>Richard E. Kessler</td> <td>12/12/2011</td> </tr> </tbody> </table>		Name	Execution Date	Robert A. Sanzone	12/13/2011	David H. Asher	12/12/2011	Richard E. Kessler	12/12/2011		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Cavium, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>2315 N. First Street</td> </tr> <tr> <td>City:</td> <td>San Jose</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>95131</td> </tr> </table>		Name:	Cavium, Inc.	Street Address:	2315 N. First Street	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95131
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CORRESPONDENCE DATA											
Fax Number: 9783410136 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 978-341-0036 Email: agrady@hbsr.com Correspondent Name: Timothy J. Meagher Address Line 1: 530 Virginia Road, P.O. Box 9133 Address Line 2: Hamilton, Brook, Smith & Reynolds, P.C. Address Line 4: Concord, MASSACHUSETTS 01742											
ATTORNEY DOCKET NUMBER:	3795.1076-002										
NAME OF SUBMITTER:	Ashlyn Grady										
Signature:	/Ashlyn Grady/										

Date:

05/30/2013

**Total Attachments: 3**

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JointASSIGNMENT

WHEREAS, we, **Robert A. Sanzone, David H. Asher and Richard E. Kessler**, have invented a certain improvement in **Input Output Bridging** 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. **13/280,768**, filed **October 25, 2011**;
- ☐ the specification of which is a Patent Cooperation Treaty Application, International Application No. [   ], filed [   ], which designates the United States of America [and is 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, California 95131** desires to confirm its interest therein in accordance with agreements duly entered into with us;

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, we 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 us had this assignment and sale not been made; we 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. We 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; we 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, we hereby further agree for ourselves and our 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, we 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.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

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

Robert A. Sanzone  
Robert A. Sanzone

State/Commonwealth

of MA

County of MIDDLESEX

On this 13<sup>th</sup> day of December 20 11, before me, the undersigned notary public, personally appeared Robert A. Sanzone,

☐ personally known to me, or

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

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)

Notary Public \_\_\_\_\_

\_\_\_\_\_  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

197M BOSTON POST ROAD WEST  
MARLBOROUGH, MA. 01752

CHRISTOPHER P. O'KEEFE  
Notary Public, Massachusetts  
My Commission Expires April 8, 2016

Inventor's Signature: David H. Asher

David H. Asher

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Commonwealth of Massachusetts  
County of Middlesex, ss:

On this 12th day of December 2011, before me, the undersigned notary public, personally appeared David H. Asher,

☐ personally known to me, or

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

MASS DRIV LLC

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)



RICHARD L. BREWER  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
July 11, 2014

Notary Public Richard L. Brewer  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_

Inventor's Signature: Richard E. Kessler

Richard E. Kessler

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Commonwealth of Massachusetts  
County of Middlesex, ss:

On this 12th day of December 2011, before me, the undersigned notary public, personally appeared Richard E. Kessler,

☐ personally known to me, or

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MASS DRIV LLC

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(SEAL)



RICHARD L. BREWER  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires  
July 11, 2014

Notary Public Richard L. Brewer  
(print name)

My Commission expires \_\_\_\_/\_\_\_\_/\_\_\_\_