

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3744681

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MUHAMMAD RAGHIB HUSSAIN	02/09/2016
VISHAL MURGAI	02/08/2016
MANOJKUMAR PANICKER	01/29/2016
FAISAL MASOOD	01/29/2016
RICHARD EUGENE KESSLER	01/28/2016
RECEIVING PARTY DATA	
Name:	CAVIUM, INC.
Street Address:	2315 N. FIRST STREET
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95131
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14939982
CORRESPONDENCE DATA	
Fax Number:	(650)847-4151
<i>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.</i>	
Phone:	650 847 4150
Email:	idocketing@duanemorris.com
Correspondent Name:	DUANE MORRIS LLP (CAVIUM GEN) IP DOCKETI
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Address Line 4:	PALO ALTO, CALIFORNIA 94304-1194
ATTORNEY DOCKET NUMBER:	R2197-01702
NAME OF SUBMITTER:	DAVID T. XUE
SIGNATURE:	/David T. Xue/
DATE SIGNED:	02/18/2016
Total Attachments: 4	
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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Muhammad Raghil Hussain, located at Saratoga, California, Vishal Murgai, located at Cupertino, California, Manojkumar Panicker, located at Sunnyvale, California, Faisal Masood, located at San Jose, California and Richard Eugene Kessler, located at Northborough, Massachusetts hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for the United States or in any other country Letters Patent:

Title of Invention: SYSTEMS AND METHODS FOR HARDWARE
 ACCELERATED METERING FOR OPENFLOW
 PROTOCOL

U.S. Application No.: 14/939,982

U.S. Filing Date: November 12, 2015

WHEREAS, CAVIUM, INC., located at 2315 N. First Street, San Jose, CA 95131, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. or in any other country Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States or in any other country, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which the certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of CALIFORNIA

County of Santa Clara

On Feb 9, 2016, before me, Jeffrey Pangborn, Notary Public, personally appeared Muhammad Raghib Hussain, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

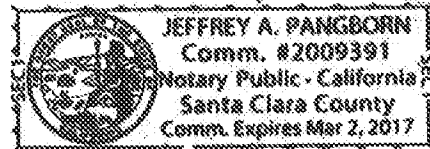
WITNESS my hand and official seal.

Signature [Handwritten Signature] (Seal)

[Handwritten Signature]

MUHAMMAD RAGHIB HUSSAIN

Date: 02/09/16



State of California

County of Santa Clara

On Feb 8, 2016, before me, Jeffrey A. Pangborn, Notary Public, personally appeared Vishal Murgai, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

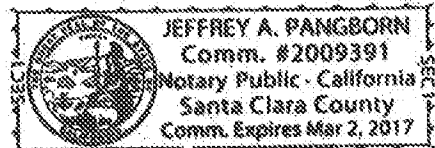
WITNESS my hand and official seal.

Signature [Handwritten Signature] (Seal)

[Handwritten Signature]


VISHAL MURGAI


Date: 02.08.16



IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which the certificate is attached, and not the truthfulness, accuracy, or validity of that document.

<p>State of <u>California</u> County of <u>Santa Clara</u></p> <p>On <u>January 29, 2016</u>, before me, <u>Jeffrey A. Pangborn, notary public</u>, personally appeared <u>Manoj Kumar Panicker</u> who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) <u>is/are</u> subscribed to the within instrument and acknowledged to me that <u>he</u> <u>she</u> <u>they</u> executed the same in <u>his</u> <u>her</u> <u>their</u> authorized capacity(ies), and that by <u>his</u> <u>her</u> <u>their</u> signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.</p> <p>I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.</p> <p>WITNESS my hand and official seal.</p> <p>Signature <u>Jeffrey A. Pangborn</u> (Seal)</p>	<p><u>Manoj Kumar Panicker</u> MANOJKUMAR PANICKER</p> <p>Date: <u>01/29/2016</u></p> <p> JEFFREY A. PANGBORN Comm. #2009391 Notary Public - California Santa Clara County Comm. Expires Mar 2, 2017</p>
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<p>State of <u>California</u> County of <u>Santa Clara</u></p> <p>On <u>January 29, 2016</u>, before me, <u>Jeffrey A. Pangborn, notary public</u>, personally appeared <u>Faisal Masood</u> who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) <u>is/are</u> subscribed to the within instrument and acknowledged to me that <u>he</u> <u>she</u> <u>they</u> executed the same in <u>his</u> <u>her</u> <u>their</u> authorized capacity(ies), and that by <u>his</u> <u>her</u> <u>their</u> signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.</p> <p>I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.</p> <p>WITNESS my hand and official seal.</p> <p>Signature <u>Jeffrey A. Pangborn</u> (Seal)</p>	<p><u>Faisal Masood</u> FAISAL MASOOD</p> <p>Date: <u>01/29/2016</u></p> <p> JEFFREY A. PANGBORN Comm. #2009391 Notary Public - California Santa Clara County Comm. Expires Mar 2, 2017</p>
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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.


A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which the certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Santa Clara
On January 28, 2016, before me, Jeffrey A. Pangborn, Notary Public, personally appeared Richard E. Kessler, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in ~~his~~/their authorized capacity(ies), and that by ~~his~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)

[Signature]
RICHARD EUGENE KESSLER
Date: 1/28/2016
 **JEFFREY A. PANGBORN**
Comm. #2009391
Notary Public - California
Santa Clara County
Comm. Expires Mar 2, 2017