

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3365695

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MUHAMMAD RAGHIB HUSSAIN	05/08/2015
VISHAL MURGAI	05/11/2015
MANOJKUMAR PANICKER	05/11/2015
FAISAL MASOOD	05/11/2015
RICHARD EUGENE KESSLER	05/18/2015
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:	14681978
CORRESPONDENCE DATA	
Fax Number:	
<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:	215-979-1000
Email:	IDocketing@duanemorris.com
Correspondent Name:	DUANE MORRIS LLP - (PREV. SAN FRANCISCO)
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Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103-4196
ATTORNEY DOCKET NUMBER:	R2197-01602
NAME OF SUBMITTER:	KATHY MELENDY
SIGNATURE:	/Kathy Melendy/
DATE SIGNED:	05/22/2015
Total Attachments: 4	
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ASSIGNMENT OF PATENT APPLICATION

WHEREAS, **Muhammad Raghil HUSSAIN**, located at 19066 Austin Way, Saratoga, CA 95070, **Vishal MURGAI**, located at 1091 Milky Way, Cupertino, CA 95014, **Manojkumar PANICKER**, located at 894 Hollenbeck Avenue, Sunnyvale, CA 94087, **Faisal MASOOD**, located at 1285 Mayberry Lane, San Jose, CA 95131, and **Richard Eugene KESSLER**, located at 117 Maple Lane, Northborough, MA 01532 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 TIMER IMPLEMENTATION FOR
 OPENFLOW PROTOCOL

U.S. Application. No.: 14/681,978

U.S. Filing Date: April 8, 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 this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of CALIFORNIA

County of Santa Clara

On May 8, 2015, before me, Jeffrey A Pangborn, notary public, personally appeared Muhammad Raqib 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

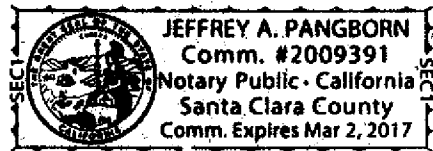
WITNESS my hand and official seal.

Signature Jeffrey A Pangborn (Seal)

Muhammad Raqib Hussain

MUHAMMAD RAGHIB HUSSAIN

Date: 5/8/15



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State of CALIFORNIA

County of Santa Clara

On May 11, 2015, 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

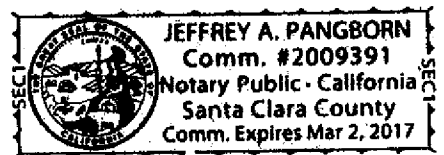
WITNESS my hand and official seal.

Signature Jeffrey A Pangborn (Seal)

Vishal Murgai

VISHAL MURGAI

Date: 05.11.15



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State of CALIFORNIA

County of Santa Clara

On May 11, 2015, before me, Jeffrey A Pangborn, notary public personally appeared Manojkumar Mahadev Panicker, 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

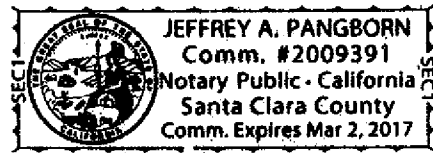
WITNESS my hand and official seal.

Signature Jeff Pangborn (Seal)

Manojkumar Panicker

MANOJKUMAR PANICKER

Date: 05/11/2015



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State of CALIFORNIA

County of Santa Clara

On May 11, 2015, before me, Jeffrey A Pangborn, notary public personally appeared Faisal Masood, 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

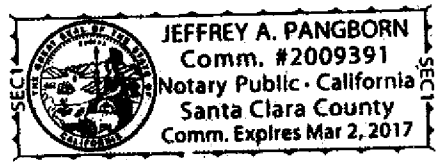
WITNESS my hand and official seal.

Signature Jeff Pangborn (Seal)

Faisal Masood

FAISAL MASOOD

Date: 05/11/2015



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State of MASSACHUSETTS

County of MIDDLESEX

On 5/18/15, before me, ^{JDB}~~RICHARD EUGENE KESSLER~~ JOSEPH DAVID BAUSK

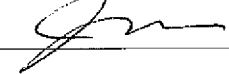
personally appeared RICHARD EUGENE KESSLER, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. MA. DRIV. LIC.

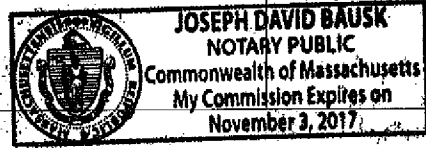

RICHARD EUGENE KESSLER

Date: May 18, 2015

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

WITNESS my hand and official seal.

Signature  (Seal)



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