

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3873294

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PHANIKUMAR KANCHARLA	01/07/2016
RAM KUMAR MANAPRAGADA	03/08/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CAVIUM, INC.
<b>Street Address:</b>	2315 N. FIRST STREET
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95131
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14723858
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	650 847 4150
<b>Email:</b>	idocketing@duanemorris.com
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<b>Address Line 1:</b>	2475 HANOVER STREET
<b>Address Line 4:</b>	PALO ALTO, CALIFORNIA 94304-1194
<b>ATTORNEY DOCKET NUMBER:</b>	R2197-01202
<b>NAME OF SUBMITTER:</b>	DAVID T. XUE
<b>SIGNATURE:</b>	/David T. Xue/
<b>DATE SIGNED:</b>	05/13/2016
<b>Total Attachments: 4</b>	
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## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, **Phanikumar KANCHARLA**, located at 260 North Mathilda Avenue, Sunnyvale, CA 94086, and **Ram Kumar MANAPRAGADA**, located at 101, Manorama Ghar, Road No. 3, Prashanthi Nagar, Uppal, Hyderabad, 500 039 INDIA 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 SECURED BACKUP OF  
HARDWARE SECURITY MODULES FOR CLOUD-  
BASED WEB SERVICES**

U.S. Application No.: 14/723,858

U.S. Filing Date:       May 28, 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 January 7, 2016, before me, Jeffrey A. Pangborn, a notary public, personally appeared Phanikumar Kancharla, 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.

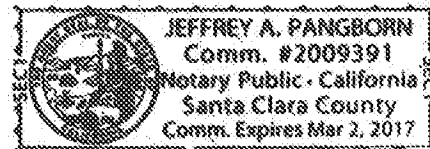
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)

Phanikumar Kancharla  
PHANIKUMAR KANCHARLA

Date: 1/7/2016



State of \_\_\_\_\_

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

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared \_\_\_\_\_, 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 \_\_\_\_\_ (Seal)

RAM KUMAR MANAPRAGADA

Date: \_\_\_\_\_

## ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Phanikumar KANCHARLA, located at 260 North Mathilda Avenue, Sunnyvale, CA 94086, and Ram Kumar MANAPRAGADA, located at 101, Manorama Ghar, Road No. 3, Prashanthi Nagar, Uppal, Hyderabad, 500 039 INDIA 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 SECURED BACKUP OF  
HARDWARE SECURITY MODULES FOR CLOUD-  
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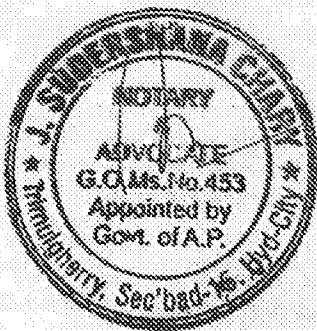
U.S. Application No.: 14/723,858

U.S. Filing Date: May 28, 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.



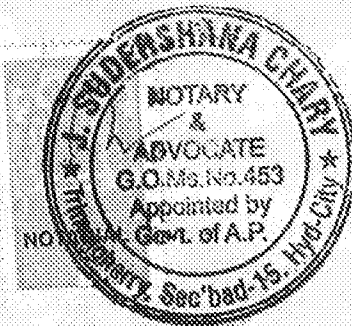
MAR 2016

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 CALIFORNIA</p> <p>County of _____</p> <p>On _____ before me, _____, 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.</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 _____ (Seal)</p>	<p>PHANIKUMAR KANCHARLA</p> <p>Date: _____</p>
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<p>State of <u>TELENGANA</u></p> <p>County of <u>INDIA</u></p> <p>On <u>8 MAR 2016</u> before me, <u>M. RAM KUMAR</u>, 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.</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 _____ (Seal)</p>	<p><u>M. Ram Kumar</u></p> <p>RAM KUMAR MANAPRAGADA</p> <p>Date: <u>8/3/2016</u></p>
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**ATTESTED**

J. Sudershana Chary  
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