

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5047392

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ATUL AVINASH KARMARKAR	07/09/2018
PHILIP SHILANE	07/09/2018
VENKATA RAVI CHANDRA BANDLAMUDI	07/09/2018
RECEIVING PARTY DATA	
Name:	EMC IP HOLDING COMPANY LLC
Street Address:	176 SOUTH STREET
Internal Address:	OFFICE OF GENERAL COUNSEL
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16032960
CORRESPONDENCE DATA	
Fax Number:	(650)326-2799
<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) 326-7201
Email:	byoung@young-iplaw.com
Correspondent Name:	BARRY N. YOUNG
Address Line 1:	P.O. BOX 61197
Address Line 4:	PALO ALTO, CALIFORNIA 94306
ATTORNEY DOCKET NUMBER:	E003-2412US
NAME OF SUBMITTER:	BARRY N. YOUNG
SIGNATURE:	/Barry N. Young/
DATE SIGNED:	07/12/2018
Total Attachments: 5	
source=Assg E003-2412US#page1.tif	
source=Assg E003-2412US#page2.tif	
source=Assg E003-2412US#page3.tif	

source=Assg E003-2412US#page4.tif

source=Assg E003-2412US#page5.tif

ASSIGNMENT

WHEREAS We, **Atul Avinash Karmarkar, Philip Shilane and Venkata Ravi Chandra Bandiamudi** "Assignors", made certain inventions or discoveries or designs as set forth in an Application for a Letters Patent of the United States of America entitled:

SCALABLE, PERSISTENT, HIGH PERFORMANCE AND CRASH RESILIENT METADATA MICROSERVICE

[X] was filed on July 11, 2018, as U.S. Application No. 16/032,960;

WHEREAS, **EMC IP Holding Company, LLC** (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the Delaware and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an 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 thereon; 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 to ASSIGNEE 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;

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 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 the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

First Inventor

Date: 07/09, 2018

Atul Karmarkar
(Signature)

Print full name of first inventor:
Residence:

Atul Avinash Karmarkar
4031 Renaissance Drive, Apt. 302
San Jose, CA 95134

Citizenship:
Mailing Address:

IN
Same as above

First Witness

I MENGSONG ZOU (First Witness name) whose residential address is 415 Southwood Ave, Sunnyvale, CA 94086 was personally present and did see **Atul Avinash Karmarkar** (name of person signing the assignment) who is personally known to me, execute the above assignment.

Mengsong Zou (signature of first witness)

Signed at Hacker Way, Menlo Park, CA 94025 (location of witness signature)

on this day 07/09 of 2018. (date of signature)

Second Witness

I SUNDARAMAN JEYARAMAN (Second Witness name) whose residential address is 758 CITY WALK PL, APT 2, HAYWARD, CA 94541 was personally present and did see **Atul Avinash Karmarkar** (name of person signing the assignment) who is personally known to me, execute the above assignment.

J. Sundaraman (signature of second witness)

Signed at HACKER WAY, MENLO PARK, CA 94025 (location of witness signature)

on this day 07/09 of 2018. (date of signature)

Second Inventor

Date: July 9, 2018


(Signature)

Print full name of second inventor:
Residence:

Philip Shilane
131 Pheasant Lane
Newtown, PA 18940

Citizenship:
Mailing Address:

US
Same as above

First Witness

I Lewis Shilane (First Witness name) whose residential address is 25514 Leffen Lane, Joplin, MO 64801 was personally present and did see **Philip Shilane** (name of person signing the assignment) who is personally known to me, execute the above assignment.

Lewis Shilane (signature of first witness)

Signed at Newtown, PA (location of witness signature)

on this day July 9 of 2018. (date of signature)

Second Witness

I Roberta Shilane (Second Witness name) whose residential address is 25514 Leffen Lane, Joplin, MO 64801 was personally present and did see **Philip Shilane** (name of person signing the assignment) who is personally known to me, execute the above assignment.

Roberta Shilane (signature of second witness)

Signed at Newtown, PA (location of witness signature)

on this day July 9 of 2018. (date of signature)

Third Inventor

Date: 9th July, 2018 B. V. Ravi Chandra
(Signature)

Print full name of third inventor: **Venkata Ravi Chandra Bandlamudi**
Residence: 600 Epic Way, #492
San Jose, CA 95134

Citizenship: IN
Mailing Address: Same as above

First Witness

I Kevin Farrell (First Witness name) whose residential address is 155 Rivoli St, San Francisco, CA 94117 was personally present and did see **Venkata Ravi Chandra Bandlamudi** (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at 333 Brannan St, SF, CA (location of witness signature)
on this day July 9 of 2018. (date of signature)

Second Witness

I Gabriel Silk (Second Witness name) whose residential address is 492 Utah St San Francisco, CA 94110 was personally present and did see **Venkata Ravi Chandra Bandlamudi** (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at 333 Brannan St, SF, CA (location of witness signature)
on this day July 9 of 2018. (date of signature)