

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SUNIL YADAV	12/07/2016
SOUMEN ACHARYA	12/07/2016
ANUPAM CHAKRABORTY	12/07/2016
TUSHAR DETHE	12/07/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC IP HOLDING COMPANY LLC
<b>Street Address:</b>	176 SOUTH STREET
<b>City:</b>	HOPKINTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01748
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15377332
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(408)720-8383
<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>	408-720-8300
<b>Email:</b>	joan_abriam@bstz.com
<b>Correspondent Name:</b>	EMC IP HOLDING COMPANY LLC/BSTZ BLAKELY
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<b>ATTORNEY DOCKET NUMBER:</b>	6368P231
<b>NAME OF SUBMITTER:</b>	JOAN ABRIAM
<b>SIGNATURE:</b>	/JOAN ABRIAM/
<b>DATE SIGNED:</b>	12/13/2016
<b>Total Attachments: 6</b>	
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ASSIGNMENT

WHEREAS, I, Sunil Yadav, Soumen Acharya, Anupam Chakraborty, Tushar Dethle, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled LIVE OBJECT LEVEL INTER PROCESS COMMUNICATION IN FEDERATED BACKUP ENVIRONMENT (Application), the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of 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, I 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 me had this assignment and sale not been made; I 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. I 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, I hereby further agree for me and my 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, I 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;

AND, we hereby authorize our attorneys, EMC IP Holding Company LLC, to insert here in parentheses (Application No. 15/377,332, filed December 13, 2016) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal as set forth below:

Date: 7 Dec 2016

  
Inventor's Signature

Print full name of inventor: **Sunil Yadav**  
Residence: Mahaveer Varna, T-34, Block-A1, Bangalore-560067, Karnataka, India  
Citizenship: INDIA  
Mailing Address: Same as above

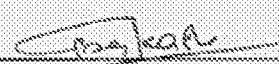
I Vipin Kumar Kaushal (name) whose residential address is MahadevPura Bangalore 560048  
was personally present and did see Sunil Yadav (name of person signing the assignment) who is personally known to me, execute the above assignment.

  
(signature of first witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7th of 2016 (date of signature)

I Chandra Prakash (name) whose residential address is C V Raman Nagar Bangalore  
was personally present and did see Sunil Yadav (name of person signing the assignment) who is personally known to me, execute the above assignment.

  
(signature of second witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7th of 2016 (date of signature)

Date: 7<sup>th</sup> Dec 2016

Soumen Acharya  
Inventor's Signature

Print full name of inventor: Soumen Acharya  
Residence: 159, Marjunatha Layout, Marathahalli, Bangalore  
-560037, India  
Citizenship: INDIA  
Mailing Address: Same as above

I Vijin Kumar Kanthul (name) whose residential address is  
Mahadev pura Bangalore 560048  
was personally present and did see Soumen Acharya (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Vijin (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7<sup>th</sup> of 20 16 (date of signature)

I Chandra Prakash (name) whose residential address is  
c.v Raman Nagar Bangalore  
was personally present and did see Soumen Acharya (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Chandra (signature of second witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7<sup>th</sup> of 20 16 (date of signature)

Date: 7<sup>th</sup> Dec, 2016

Anupam Chakraborty  
Inventor's Signature

Print full name of inventor:

Anupam Chakraborty

Residence:

Q-801, Purva Fountain Square, Marathahalli,  
Bangalore - 560037, Karnataka, India

Citizenship:

INDIA

Mailing Address:

Same as above

I Vijay Kumar Kaul (name) whose residential address is  
Mahadevpura Bangalore 560042  
was personally present and did see Anupam Chakraborty (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Vijay Kumar Kaul (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7<sup>th</sup> of 2016 (date of signature)

I Clondas Prakash (name) whose residential address is  
C V Ramon Nagar Bangalore  
was personally present and did see Anupam Chakraborty (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Clondas Prakash (signature of second witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7<sup>th</sup> of 2016 (date of signature)

Date: 7<sup>th</sup> Dec 2016

[Signature]  
Inventor's Signature

Print full name of inventor: **Tushar Detha**  
Residence: Flat No – 402, Vibha Enclave, B Narayanpura,  
Bangalore – 560048, Karnataka, India  
Citizenship: INDIA  
Mailing Address: Same as above

I Vipin Kumar Kaushal (name) whose residential address is  
Mahadevपुरा Bangalore 560048  
was personally present and did see Tushar Detha (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7<sup>th</sup> of 2016 (date of signature)

I Chandra Prakash (name) whose residential address is  
C V Raman Nagar Bangalore  
was personally present and did see Tushar Detha (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at Bangalore (location of witness signature)

on this day Dec 7<sup>th</sup> of 2016 (date of signature)