

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT5952422

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
RAHUL DEO VISHWAKARMA	02/06/2020
JAYANTH KUMAR REDDY PERNETI	02/06/2020
GOPAL SINGH	02/06/2020

**RECEIVING PARTY DATA**

<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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16784721

**CORRESPONDENCE DATA**

**Fax Number:** (415)386-4623  
*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.*  
**Phone:** 510-295-9328  
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<b>ATTORNEY DOCKET NUMBER:</b>	116930.01 (DL1.273U)
<b>NAME OF SUBMITTER:</b>	GEOFFREY T. STANIFORD
<b>SIGNATURE:</b>	/Geoffrey T. Staniford/
<b>DATE SIGNED:</b>	02/07/2020

**Total Attachments: 5**

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**ASSIGNMENT**

**WHEREAS, we, Rahul Deo Vishwakarma, Jayanth Kumar Reddy Perneti, and Gopal Singh 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 SYSTEM AND METHOD FOR AUTONOMOUS AND DYNAMIC RESOURCE ALLOCATON IN STORAGE SYSTEMS, 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 limited liability company organized and existing under the laws of the State 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, 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:

Date: 06/02/2020

Rahul Deo Vishwakarma.  
Inventor's Signature

Print full name of first inventor:

**Rahul Deo Vishwakarma**

Residence:

House No. 46, GSR Nest, Flat No. 202  
AECS Layout, Kundanahalli  
Bangalore, Karnataka 560048,  
India

Citizenship:

India

Mailing Address:

Same as above

I SURAT. SHIROLIKAR (name) whose residential address is 370/21A, 22 C Cross Vignana Nagar Bangalore - 570075 was personally present and did see Rahul Vishwakarma (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 06/02/2020 of 2020. (date of signature)

I Jyanti Kumar Reddy (name) whose residential address is Flat No-303, Phase-02, State Grade's Apartment, Hosur was personally present and did see Rahul Vishwakarma (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 06/02 of 2020. (date of signature)

Date: 06/22/2020

  
Inventor's Signature

Print full name of second inventor:

Jayanth Kumar Reddy Perneti

Residence:

Flat No. 303, Block-B, Oracle Gardens Apartment  
Manjunatha Nagar Extn-3, Horamavu  
Bangalore, Karnataka 560016  
India

Citizenship:

India

Mailing Address:

Same as above

I, Am. Ho. Shetty (name) whose residential address is H 9/4 First Floor, K. Nagar Block, R. I. Nagar was personally present and did see Jayanth Reddy (name of person signing the assignment) who is personally known to me, execute the above assignment.

Am. Ho. Shetty (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day 06-02 of 2020 (date of signature)

I, G. VINDIYA (name) whose residential address is H 4/4, 1st Floor, B. Nagar, Manjunatha Nagar, Bangalore was personally present and did see Jayanth Kumar Reddy (name of person signing the assignment) who is personally known to me, execute the above assignment.

Vindiya (signature of second witness)

Signed at BANGALORE (location of witness signature)

on this day 06.02 of 2020 (date of signature)

Date: 06/02/2020

Gopal Singh  
Inventor's Signature

Print full name of third inventor:

Gopal Singh

Residence:

538 K/444, Shri Puram, Triveni  
Lucknow, 226020  
India

Citizenship:

India

Mailing Address:

Same as above

I SUJAN KUMAR SHETTY (name) whose residential address is  
"SREE MASTKAMBIKA", MAGDOLINA ROAD, KATECHWARA, KUNDAPURA - 576222 was personally  
present and did see GOPAL SINGH (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 06/02/2020 of 2020. (date of signature)

I Rahul Dev Vishwakarma (name) whose residential address is  
H 46, GSR Road, Flat # 202, PLS LYT, KUNDANAHALLI Bangalore - 576 was personally  
present and did see GOPAL SINGH (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 06/02/2020 of 2020. (date of signature)