

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2918104

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANIL DEGWEKAR	06/27/2014
PARASHURAM HALLUR	06/27/2014
SANTHOSH LAKSHMANAN	06/27/2014
VASANTHA GOPAL	06/27/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC CORPORATION
<b>Street Address:</b>	176 SOUTH STREET
<b>City:</b>	HOPKINTON
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02021-2714
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14317455
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(781)401-9966
<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>	781-401-9988
<b>Email:</b>	sms@dc-m.com
<b>Correspondent Name:</b>	EMC CORPORATION C/O DALY, CROWLEY, MOFFO
<b>Address Line 1:</b>	354 TURNPIKE STREET
<b>Address Line 2:</b>	SUITE 301A
<b>Address Line 4:</b>	CANTON, MASSACHUSETTS 02021-2714
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-228PUS
<b>NAME OF SUBMITTER:</b>	ANTHONY T. MOOSEY
<b>SIGNATURE:</b>	/Anthony T. Moosey/
<b>DATE SIGNED:</b>	06/27/2014
<b>Total Attachments: 6</b>	
source=TO_PTO_ASSIGNMENT_EMCC228#page1.tif	
source=TO_PTO_ASSIGNMENT_EMCC228#page2.tif	

source=TO\_PTO\_ASSIGNMENT EMC228#page3.tif

source=TO\_PTO\_ASSIGNMENT EMC228#page4.tif

source=TO\_PTO\_ASSIGNMENT EMC228#page5.tif

source=TO\_PTO\_ASSIGNMENT EMC228#page6.tif

## ASSIGNMENT

**WHEREAS**, we, Anil Degwekar, Parashuram Hallur, Anoop George Ninan, Puneet Lal, Santhosh Lakshmanan and Vasantha Gopal, 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 ENABLING HETEROGENEOUS STORAGE MANAGEMENT USING STORAGE FROM CLOUD COMPUTING PLATFORM and identified as Attorney Docket No. EMC-228PUS, the specification of which:

☒ [X] 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 Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts 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 me;

**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;

**AND**, we hereby authorize attorneys that we have appointed and EMC Corporation to insert here in parenthesis (\_\_\_\_\_) 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**, we have hereunto set our hands and affixed our seals as set forth below:

Date: 27 June 2014

Anil Degwekar

Inventor's Signature

Print full name of first inventor:

Anil Degwekar

Residence:

201 Supraja Meru Apartments  
4th Cross Doopanahalli Indiranagar  
Bangalore  
Karnataka 560008  
INDIA

Citizenship:

India

Mailing Address:

Same as above

I, Kameswara Tangudu (name of first witness), whose residential address is  
F-11, Block-A, Himagiri Green E-dost Apts, Silver Oak St J.P. Nagar 7th phase, Bangalore-560078  
was personally presented and did see Anil Degwekar who is personally known to me, execute the  
above assignment.

K. V. Kameswara Tangudu (signature of first witness)

Signed at BANGALORE (location of witness signature)

on this day 27<sup>th</sup> June, 20 14 (date of witness signature)

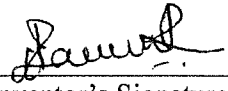
I, AMIT HERLEKAR (name of second witness), whose residential address is  
Flat A2, Hari Om Apts, Chamundeshwari layout, Vidyanagar, Bangalore  
was personally presented and did see Anil Degwekar who is personally known to me, execute the  
above assignment.

Amit Herlekar (signature of second witness)

Signed at BANGALORE (location of witness signature)

on this day 27<sup>th</sup> June, 20 14 (date of witness signature)

Date: 27<sup>th</sup> June 2014

  
Inventor's Signature

Print full name of first inventor:

Parashuram Hallur

Residence:

Hosur Balakundi Post, Hungund Tq  
Bagalkot District  
Karnataka 587125  
INDIA

Citizenship:

India

Mailing Address:

Same as above

I, Kameshwar Tangudi (name of first witness), whose residential address is

F-11, Block-A, Himagiri Green Forest Apt, Silver Oak St, J.P. Nagar 7th phase, BANGALORE  
was personally presented and did see Parashuram Hallur who is personally known to me, execute the above assignment. - 560078

 (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day 27<sup>th</sup> June, 2014 (date of witness signature)

I, AMIT HERLEKAR (name of second witness), whose residential address is

Flat A2, Hasi Om Apts Chamundiswar layout, Vidyanagarpura B'lore  
was personally presented and did see Parashuram Hallur who is personally known to me, execute the above assignment.

I,  (signature of second witness)

Signed at BANGALORE (location of witness signature)

on this day 27<sup>th</sup> June, 2014 (date of witness signature)

Date: 27 JUNE 2014

S. Santhosh

Inventor's Signature

Print full name of first inventor:

Santhosh Lakshmanan

Residence:

2/231, Kunnangal Kuda Oonjappalayam  
Namakkal 637214  
INDIA

Citizenship:

India

Mailing Address:

Same as above

I, Kameswara Taugudu (name of first witness), whose residential address is  
F-11, Block-A, Himagiri Green Encl Apts, J.P. Nagar 7th Phase, Silver Oak St, Bangalore  
was personally presented and did see Santhosh Lakshmanan who is personally known to me, - 560078  
execute the above assignment.

S. V. Kameswara (signature of first witness)

Signed at BANGALORE (location of witness signature)

on this day 27th June, 20 14 (date of witness signature)

I, AMIT HERLEKAR (name of second witness), whose residential address is  
Flat A2, Hari Om Apts, Chamundeshwari Nagar, Vidyaranyapura, Bangalore  
was personally presented and did see Santhosh Lakshmanan who is personally known to me,  
execute the above assignment.

I, A. Herlekar (signature of second witness)

Signed at BANGALORE (location of witness signature)

on this day 27th June, 20 14 (date of witness signature)

Date: 27-June-2014

T. Vas

Inventor's Signature

Print full name of first inventor:

Vasanth Gopal

Residence:

30, Ayyanar Kovil Main Road, Sellur  
Madurai  
INDIA

Citizenship:

India

Mailing Address:

Same as above

I, Kameswara Taugude (name of first witness), whose residential address is  
F-11, Block-A, Himagiri Green Forest Hills, Silver Oak St, J.P Nagar 7th Phase, BANGALORE-560078  
was personally presented and did see Vasanth Gopal who is personally known to me, execute  
the above assignment.

T.V. Kameswara (signature of first witness)

Signed at Bangalore (location of witness signature)

on this day 27th June, 20 14 (date of witness signature)

I, AMIT HERLEKAR (name of second witness), whose residential address is  
Flat A2, Hari Om Apts, Chamundeshwari Layout, Vidyanagar, B'lore  
was personally presented and did see Vasanth Gopal who is personally known to me, execute  
the above assignment.

I, Ashlekar (signature of second witness)

Signed at BANGALORE (location of witness signature)

on this day 27th June, 20 14 (date of witness signature)

373553.doc