

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4112075

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALAN L. TAYLOR	10/13/2016
DAVID HAASE	10/13/2016
MICHAEL C. BRUNDAGE	10/17/2016
SOMNATH GULVE	10/17/2016
VARUN K. CHINTA	10/17/2016
RECEIVING PARTY DATA	
Name:	EMC IP HOLDING COMPANY LLC
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15199583
CORRESPONDENCE DATA	
Fax Number:	
<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:	508-435-1000
Email:	Docketing@emc.com
Correspondent Name:	EMC IP HOLDING COMPANY LLC
Address Line 1:	176 SOUTH STREET
Address Line 4:	HOPKINTON, MASSACHUSETTS 01748
ATTORNEY DOCKET NUMBER:	EMC-16-0271
NAME OF SUBMITTER:	JASON A. REYES
SIGNATURE:	/Jason A. Reyes/
DATE SIGNED:	10/25/2016
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, ALAN L. TAYLOR, DAVID HAASE, MICHAEL C. BRUNDAGE, SOMNATH A. GULVE, AND VARUN K. CHINTA, 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 **METHOD, DATA STORAGE SYSTEM AND COMPUTER PROGRAM PRODUCT FOR MANAGING DATA COPYING**, 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 JUNE 30, 2016 as U.S. Application No. 15199583;

☐ 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 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 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;

AND, we hereby authorize our attorneys, 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: 10/13/2016

[Signature]
Inventor's Signature

Print full name of fourth inventor: **ALAN L. TAYLOR**
Residence: 107 Kettlewell Court, Cary, NC 27519-6664 -
US
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of North Carolina
COUNTY OF Orange

On this 13 day of October, 2016, then personally appeared before me the
above-named Alan L. Taylor known to me through satisfactory
evidence of identification ☒ employee identification card; ☐ driver's license; ☐ (other)
to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and
deed for the purposes therein contained.

[Signature]
Notary Public

Print Name: Audrey L. Craig
My Commission expires 8/11/2018

Date: 10/13/16


Inventor's Signature

Print full name of fourth inventor:

DAVID HAASE

Residence:

904 Cedar Point Court, Fuquay Varina, NC
27526 - US

Citizenship:

US

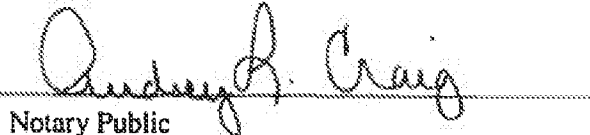
Mailing Address:

Same as above

STATE/Commonwealth of
COUNTY OF

North Carolina
Orange

On this 13 day of October, 2016, then personally appeared before me the
above-named David Haase known to me through satisfactory
evidence of identification ☒ employee identification card; ☐ driver's license; ☐ (other)
_____ to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and
deed for the purposes therein contained.


Notary Public

Print Name: Audrey L. Craig

My Commission expires 8/11/2018

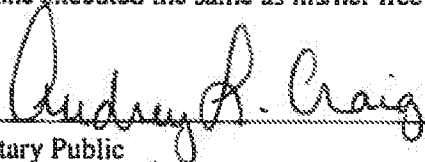
Date: 16/17/2016


Inventor's Signature

Print full name of fourth inventor: **MICHAEL C. BRUNDAGE**
Residence: 1218 Bluff Oak Drive, Cary, NC 27519 - US
Citizenship: US
Mailing Address: Same as above

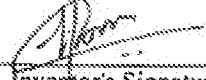
STATE/Commonwealth of North Carolina
COUNTY OF Orange

On this 17 day of October, 2016, then personally appeared before me the above-named Michael C. Brundage known to me through satisfactory evidence of identification ☐ employee identification card; ☒ driver's license; ☐ (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.


Notary Public

Print Name: Audrey H. Craig
My Commission expires 8/11/2018

Date: 10/17/2016


Inventor's Signature

Print full name of first inventor:

SOMNATH GULVE

Residence:

K-303 Wonder City, Katraj, Pune, Maharashtra,
411046 - INDIA

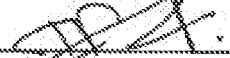
Citizenship:

US

Mailing Address:

Same as above

I Prasad Dange (name) whose residential address is
Baner, Pune 411045
was personally present and did see Somnath Gulve (name of
person signing the assignment) who is personally known to me, execute the above assignment.


(signature of first witness)

Signed at DELL-EMC, Pune, India (location of witness signature)

on this 17th day of October of 2016. (date of signature)

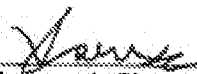
I Shashikumar Paul (name) whose residential address is
202, Rolling Hills, Baner Rd, Baner, Pune
was personally present and did see Somnath Gulve (name of person signing
the assignment) who is personally known to me, execute the above assignment.


(signature of second witness)

Signed at DELL-EMC, Pune, India (location of witness signature)

on this 17th day of October of 2016. (date of signature)

Date: 10/17/2016


Inventor's Signature

Print full name of fourth inventor:

VARUN K. CHINTA

Residence:

~~200 Westminster Drive, Apt. 1108, Chapel Hill,~~
~~NC 27514~~ VC

4102 Royal Birkdale Drive, Cary, NC 27518

Citizenship:

US-INDIA VC

Mailing Address:

Same as above

STATE/COMMONWEALTH OF

COUNTY OF

North Carolina
Orange

On this 17 day of October, 2016, then personally appeared before me the
above-named Varun K. Chinta known to me through satisfactory
evidence of identification ☒ employee identification card; ☐ driver's license; ☐ (other)
_____ to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and
deed for the purposes therein contained.


Notary Public

Print Name:

Audrey B. Craig
My Commission expires 11/11/2018