

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT2982121

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHASHWAT SRIVASTAV	08/13/2014
SRIRAM SANKARAN	07/02/2014
SUBBA GADDAMADUGU	08/04/2014
PETER MUSIAL	07/03/2014
ANDREW ROBERTSON	07/07/2014
HUAPENG YUAN	07/03/2014
QI ZHANG	07/07/2014
JUN LUO	07/07/2014
VISHRUT SHAH	07/03/2014
CHEN WANG	07/03/2014

RECEIVING PARTY DATA

Name:	EMC CORPORATION
Street Address:	176 SOUTH STREET
Internal Address:	JOSEPH D'ANGELO
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14319117

CORRESPONDENCE DATA**Fax Number:**

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: 508-435-1000**Email:** Docketing@emc.com**Correspondent Name:** EMC CORPORATION OFFICE OF THE GENERAL CO**Address Line 1:** 176 SOUTH STREET**Address Line 2:** JOSEPH D'ANGELO**Address Line 4:** HOPKINTON, MASSACHUSETTS 01748

PATENT

ATTORNEY DOCKET NUMBER:	EMC-14-0210(PRO)ORD2
NAME OF SUBMITTER:	JOSEPH D'ANGELO
SIGNATURE:	/Joseph D'Angelo/
DATE SIGNED:	08/14/2014

Total Attachments: 12

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ASSIGNMENT

WHEREAS, we, Shashwat Srivastav, Sriram Sankaran, Subba Guddamadugu, Peter Musial, Andrew Robertson, Huapeng Yuan, Qi Zhang, Jun Luo, Vishrut Shah, Chen and Wang, 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 *ZONE CONSISTENCY* (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 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 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: 08/13/14

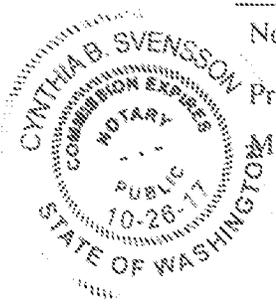
Shashwat Srivastav
Inventor's Signature

Print full name of first inventor: **Shashwat Srivastav**
Residence: 2515 4th Avenue, Apt. 2301, Seattle, WA 98121
Citizenship: India
Mailing Address: Same as above

STATE/Commonwealth of Washington
COUNTY OF Smethport

On this 13 day of August, 2014, then personally appeared before me the above-named Shashwat Srivastav known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Shashwat Srivastav 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.

Cynthia B. Svensson
Notary Public



Print Name: Cynthia B. Svensson
My Commission expires 10/26/17

Date: 07/02/2014

[Signature]
Inventor's Signature

Print full name of inventor: **Sriram Sankaran**
Residence: 8103 135th Place NE, Redmond, WA 95082
Citizenship: India
Mailing Address: Same as above

STATE/COMMONWEALTH OF Washington
COUNTY OF Snohomish

On this 2nd day of July, 2014, then personally appeared before me the above-named Sriram Sankaran known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Sriram Sankaran 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: Cynthia Svensson
My Commission expires 10 26 17

Date: 8/4/14

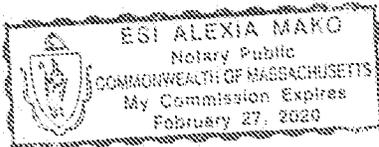
Subba Rao G.
Inventor's Signature

Print full name of inventor: Subba Gaddamadugu
Residence: 626 Charlestown Meadows Dr, Westborough,
MA 01581
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of MASS
COUNTY OF Worcester

On this 4th day of August, 2014, then personally appeared before me the above-named Subba Gaddamadugu known to me through satisfactory evidence of identification employee identification card; driver's license; (other) Subba Rao Gaddamadugu 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.

Esi Alexia Mako
Notary Public



Print Name: Esi A. Mako
My Commission expires 2/27/2020

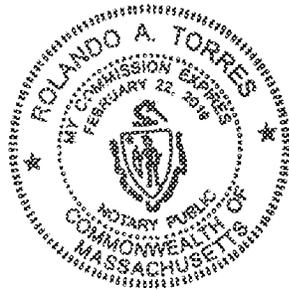
Date: 07/03/2014

Peter M Musial
Inventor's Signature

Print full name of inventor: Peter Musial
Residence: 15 Princeton Road, Arlington, MA 02474
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of MA
COUNTY OF MIDDLESEX

On this 3rd day of July, 2014, then personally appeared before me the above-named Peter Musial known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) MA DL 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.



Rolando Torres
Notary Public

Print Name: ROLANDO TORRES

My Commission expires 02/22/2018

PATENT/Joint Assignment
EMC Docket No.: EMC-14-0210(PRO)ORD2

Date: 7/7/14

Andrew Robertson
Inventor's Signature

Print full name of inventor: Andrew Robertson
Residence: 3404 13th Street NW, #101, Washington, DC
20010
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of District of Columbia
COUNTY OF District of Columbia

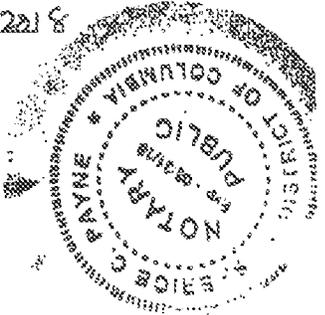
On this 7th day of July, 2014, then personally appeared before me the above-named Andrew Robertson known to me through satisfactory evidence of identification employee identification card; driver's license; (other) Andrew Robertson to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Sherice C Payne
Notary Public

Print Name: Sherice C Payne

My Commission expires 03/31/2018

SHERICE C. PAYNE
District of Columbia Notary Public
My Commission Expires March 31, 2018



Date: 07/31/2014

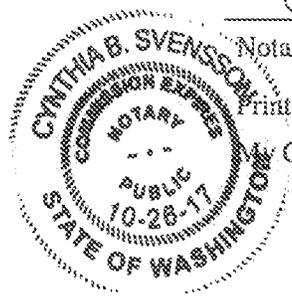
Huapeng Yuan
Inventor's Signature

Print full name of inventor: Huapeng Yuan
Residence: 1736 Belmont Ave, Apt. 512, Seattle, WA 98122
Citizenship: US
Mailing Address: Same as above

STATE/Commonwealth of Washington
COUNTY OF Snohomish

On this 31st day of July, 2014, then personally appeared before me the above-named Huapeng Yuan known to me through satisfactory evidence of identification employee identification card; driver's license; (other) Huapeng Yuan 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.

Cynthia B. Svensson
Notary Public



Print Name: Cynthia B. Svensson
My Commission expires 10/28/17

Date: 7/7/2014

[Signature]
Inventor's Signature

Print full name of inventor: Qi Zhang
Residence: 18057 NE 110th Way, Redmond, WA 98052
Citizenship: China
Mailing Address: Same as above

STATE/Commonwealth of Washington
COUNTY OF Snohomish

On this 7th day of July, 2014, then personally appeared before me the above-named Qi Zhang known to me through satisfactory evidence of identification employee identification card; driver's license; (other) Qi Zhang 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: Cynthia Swanson
My Commission expires 10/28/17



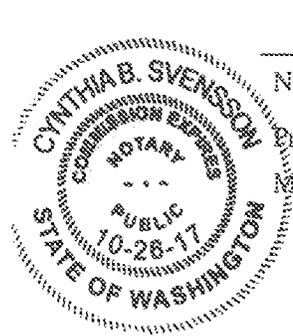
Date: 07/07/2014

Jun Luo
Inventor's Signature

Print full name of inventor: Jun Luo
Residence: 1814 152nd Ave SE, Bellevue, WA, 98007
Citizenship: China
Mailing Address: Same as above

STATE/Commonwealth OF Washington
COUNTY OF Strom

On this 7th day of July, 2014, then personally appeared before me the above-named Jun Luo known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) Jun Luo 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.



Cynthia B. Svensson
Notary Public

Print Name: Cynthia B. Svensson
My Commission expires 10/28/17

Date: 7/3/2014

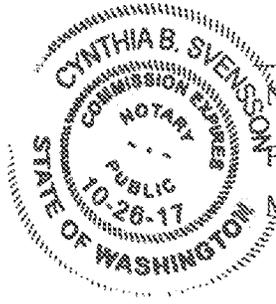
mehell
Inventor's Signature

Print full name of inventor: Vishrut Shah
Residence: 9903 225th Ave NE, Redmond, WA 98053
Citizenship: India
Mailing Address: Same as above

STATE/Commonwealth of Washington
COUNTY OF Snohomish

On this 3rd day of July, 2014, then personally appeared before me the above-named Vishrut Shah known to me through satisfactory evidence of identification employee identification card; driver's license; (other) Vishrut Shah 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.

Cynthia Svensson
Notary Public
Print Name: Cynthia Svensson
My Commission expires 10/26/17



Date: July 3, 2014

Chen Wang

Inventor's Signature

Print full name of inventor

Chen Wang

Residence

Room 10-602, 88 SanJiang W Road, Shanghai

China

Citizenship

China

Mailing Address

Same as above

I, Jemy Wu (name of first witness), whose residential address is

Songhu Rd 252, Yangpu District, Shanghai, China

was personally present and did see Chen Wang (name of person signing the assignment), who is personally known to me, execute the above assignment.

Jemy Wu (signature of first witness)

Signed at Songhu Rd 252, Yangpu District, Shanghai (location of witness signature)

on this day, Jul 3rd, 2014 (date of signature).

I, Ao Sun (name of second witness), whose residential address is

Songhu Rd 252, Yangpu District, Shanghai, China

was personally present and did see Chen Wang (name of person signing the assignment), who is personally known to me, execute the above assignment.

Ao Sun (signature of second witness)

Signed at Songhu Rd 252, Yangpu District, Shanghai (location of witness signature)

on this day, Jul 3rd, 2014 (date of signature).