

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3660931

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
NING XU	12/15/2015
ALEX MINGHUI ZHANG	12/15/2015
BRIAN TIANFANG XIONG	12/15/2015
YUANYANG WU	12/15/2015
YIFENG LU	12/15/2015
RECEIVING PARTY DATA	
Name:	EMC CORPORATION
Street Address:	176 SOUTH STREET
City:	HOPKINTON
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14970978
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 CORPORATION OFFICE OF THE GENERAL CO
Address Line 1:	176 SOUTH STREET
Address Line 4:	HOPKINTON, MASSACHUSETTS 01748
ATTORNEY DOCKET NUMBER:	EMC-14-0762(CN)US1
NAME OF SUBMITTER:	KONRAD R. LEE
SIGNATURE:	/KONRAD R. LEE/
DATE SIGNED:	12/16/2015
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, Ning Xu, Alex Minghui Zhang, Brian Tianfang Xiong, Yuanyang Wu and Yifeng Lu 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 PROCESSING TRANSACTIONS IN A SYNCHRONIZED REPLICATION SYSTEM (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: Dec. 15, 2015

Ning Xu
Inventor's Signature

Print full name of inventor

Ning Xu

Residence

Nong 428, ChangPing Road, Unit 2, Room 601,
Jing'an District
Shanghai, China 20040

Citizenship

China

Mailing Address

Same as above

I, Yuan Luo (name of first witness), whose residential address is
Room 1201, Building 28, XinCun Road No. 1388, Shanghai, China
was personally present and did see Ning Xu (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Yuan Luo (signature of first witness)
Signed at Floor 2, Building 2, 252 Songhu Road Shanghai China (location of witness signature)
on this day, Dec. 15, 20 15 (date of signature).

I, Long Fei (name of second witness), whose residential address is
No. 503 Building 54#, YongTai Road 2079#, Pudong, Shanghai, China
was personally present and did see Ning Xu (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Long Fei (signature of second witness)
Signed at Floor 2, Building 2, 252 Songhu Road Shanghai China (location of witness signature)
on this day, Dec. 15, 20 15 (date of signature).

Date: Dec. 15, 2015

Alex Minghui Zhang
Inventor's Signature

Print full name of inventor

Alex Minghui Zhang

Residence

Room 602, No 19, 567 Nong, Heze Road,
Pudong, Shanghai, China 200129

Citizenship

China

Mailing Address

Same as above

I, Hongru Xu (name of first witness), whose residential address is
Room 401, Unit 24, No. 410 Shanghai Road, Pudong New District, Shanghai, China
was personally present and did see Alex Minghui Zhang (name of person signing the
assignment), who is personally known to me, execute the above assignment.

Hongru Xu (signature of first witness)
Signed at Floor 2, Building 2, 252 Songhu Road, Yangpu District, Shanghai, China (location of witness signature)
on this day, Dec 15, 20 15 (date of signature).

I, Shang Qin (name of second witness), whose residential address is
Room 507, Unit 3, No. 1560 Changdao Road, Pudong New District, Shanghai, China
was personally present and did see Alex Minghui Zhang (name of person signing the
assignment), who is personally known to me, execute the above assignment.

Shang Qin (signature of second witness)
Signed at Floor 2, Building 2, 252 Songhu Road, Yangpu District, Shanghai, China (location of witness signature)
on this day, Dec 15, 20 15 (date of signature).

Date: Dec. 15, 2015

Brian Tianfang Xiong
Inventor's Signature

Print full name of inventor

Brian Tianfang Xiong

Residence

3-6A, No. 977 Hong Qiao Road
Shanghai, China 200051

Citizenship

China

Mailing Address

Same as above

I, Hongru Xu (name of first witness), whose residential address is
Room 401, Unit 24, No. 410 Shangpu Road, Pudong New District, Shanghai, China
was personally present and did see Brian Tianfang Xiong (name of person signing the
assignment), who is personally known to me, execute the above assignment.

Hongru Xu (signature of first witness)
Signed at Floor 2, Building 2, 252, Songhu Road, Shanghai, China (location of witness signature)
on this day, Dec. 15, 20 15 (date of signature).

I, Long Fei (name of second witness), whose residential address is
No. 503 Building 54#, Yangtai Road 2079#, Pudong, Shanghai, China
was personally present and did see Brian Tianfang Xiong (name of person signing the
assignment), who is personally known to me, execute the above assignment.

Long Fei (signature of second witness)
Signed at Floor 2, Building 2, 252 Songhu Road, Shanghai, China (location of witness signature)
on this day, Dec. 15, 20 15 (date of signature).

Date: Dec 15, 2015.

Yuanyang Wu
Inventor's Signature

Print full name of inventor

Yuanyang Wu

Residence

Room 1502, Building 18, 866 Guangling Si Road,
Hongkou District
Shanghai, China 200434

Citizenship

China

Mailing Address

Same as above

I, Yuan Luo (name of first witness), whose residential address is
Floor 12, Room 1201, Building 28, Xin Cun Road No 1388, Shanghai, China
was personally present and did see Yuanyang Wu (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Yuan Luo (signature of first witness)
Signed at Floor 2, Building 2, 252 Songhu Road, Shanghai, China (location of witness signature)
on this day, Dec 15, 20 15 (date of signature).

I, Long Fei (name of second witness), whose residential address is
No. 503 Building 54, Yong Tai Road 2019#, Pudong, Shanghai, China
was personally present and did see Yuanyang Wu (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Long Fei (signature of second witness)
Signed at Floor 2, Building 2, 252 Songhu Road, Shanghai, China (location of witness signature)
on this day, Dec 15, 20 15 (date of signature).

Date: 2015-12-15

Yifeng Lu

Inventor's Signature

Print full name of inventor

Yifeng Lu

Residence

Huanghua Road 577#, 8-602 Minhang District
Shanghai, China 201103

Citizenship

China

Mailing Address

Same as above

I, Hongru Xu (name of first witness), whose residential address is
Room 401, Unit 24, No. 410 Shang Pu Road, Pudong New District, Shanghai, China
was personally present and did see Yifeng Lu (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Hongru Xu (signature of first witness)
Signed at Floor 2, Building 2, 252 Songhu Road, Yangpu District, Shanghai, China (location of witness signature)
on this day, Dec 15, 20 15 (date of signature).

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