

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3036697

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIA ZHAI	09/24/2014
YINGCHAO ZHOU	09/24/2014
WENGANG WANG	09/24/2014
JUN GUO	09/24/2014
SEN ZHANG	09/24/2014
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:	14495404
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<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>	
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Correspondent Name:	EMC CORPORATION
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ATTORNEY DOCKET NUMBER:	EMC-13-0244(CN)US1
NAME OF SUBMITTER:	KONRAD R. LEE
SIGNATURE:	/Konrad R. Lee/
DATE SIGNED:	09/24/2014
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, Jia Zhai, Yingchao Zhou, Wengang Wang, Jun Guo, and Sen Zhang, 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 AND APPARATUS FOR FILE 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: 09.24.2014 Jia Zhai
Inventor's Signature

Print full name of inventor: Jia Zhai
Residence: 506, No. 60 Xi Ge Xin Li, Dongcheng District
Beijing, China 100000
Citizenship: China
Mailing Address: Same as above

I, Fenghao Zhang (name), whose residential address is Floor 8/F, Block D, Tsinghua Science Park, No.1 Zhongguancun East Road, Haidian District was personally present and did see Jia Zhai (name of person signing the assignment) who is personally known to me, execute the above assignment.

Fenghao Zhang (signature of first witness)

Signed at 8/F, Block D, TS Park, No.1, Zhongguancun East Road, Haidian District (location of witness signature)

on this day Sep. 24 of 20 14 (date of signature)

I, Marvin Zhang (name), whose residential address is Room 803, Unit 8, Building 1, Dongfang Guan Lane, Dongcheng District was personally present and did see Jia Zhai (name of person signing the assignment) who is personally known to me, execute the above assignment.

Marvin Zhang (signature of second witness)

Signed at 8/F Block D, No.1 Zhongguancun East Road (location of witness signature)

on this day Sep 24 of 20 14 (date of signature)

Date: 09.24.2014

Yingchao Zhou
Inventor's Signature

Print full name of inventor:

Yingchao Zhou

Residence:

Room 4-401, No. 5 Building, An Ding Men Wai
Sheng Gu Jia Yuan, Chaoyang District
Beijing, China 100000

Citizenship:

China

Mailing Address:

Same as above

I, Fanghao Zhang (name), whose residential address is 8/F, Block D, No.1, Zhongquancun East Road, Haidian District was personally present and did see Yingchao Zhou (name of person signing the assignment) who is personally known to me, execute the above assignment.

Fanghao Zhang (signature of first witness)

Signed at 8/F, Block D, No.1, Zhongquancun East Road (location of witness signature)

on this day Sep. 24 of 20 14 (date of signature)

I, Marvin Zhang (name), whose residential address is Room 803, Unit 8, Building 1, Dongfang Yuan Lane, Dong Cheng District was personally present and did see Yingchao Zhou (name of person signing the assignment) who is personally known to me, execute the above assignment.

Marvin Zhang (signature of second witness)

Signed at 8/F, Block D, No.1 Zhongquancun East Road (location of witness signature)

on this day Sep. 26 of 20 14 (date of signature)

Date: 9/24/2014

Wengang Wang
Inventor's Signature

Print full name of inventor: Wengang Wang
Residence: #1002, Building 3, LianPa Yuan
Chaoyang District
Beijing, China 100012
Citizenship: China
Mailing Address: Same as above

I, Fenghao Zhang (name), whose residential address is 8/F, Block D, No.1 Zhongguancun East Road, Haidian District was personally present and did see Wengang Wang (name of person signing the assignment) who is personally known to me, execute the above assignment.

Fenghao Zhang (signature of first witness)

Signed at 8/F, Block D, No.1 Zhongguancun East Road (location of witness signature)

on this day Sep 24 of 20 14 (date of signature)

I, Marvin Zhang (name), whose residential address is Room 801, Unit 8, Building 1, Dongfang Guan Lane, Dong Cheng District was personally present and did see Wengang Wang (name of person signing the assignment) who is personally known to me, execute the above assignment.

Marvin Zhang (signature of second witness)

Signed at 8/F Block D, No.1 Zhongguancun east Road (location of witness signature)

on this day Sep 24 of 20 14 (date of signature)

Date: 09.24. 2014

Jun Guo
Inventor's Signature

Print full name of inventor: **Jun Guo**
Residence: 1107, Building 13, No. 43 North Third Ring
Road, Haidian District
Beijing, China 100088
Citizenship: China
Mailing Address: Same as above

I, Fenghao Zhang (name), whose residential address is 8/F, Block D, No.1, Zhongguancun East Road, Haidian District was personally present and did see Jun Guo (name of person signing the assignment) who is personally known to me, execute the above assignment.

Fenghao Zhang (signature of first witness)

Signed at 8/F, Block D, No.1, Zhongguancun East Road (location of witness signature)

on this day Sep. 24 of 20 14 (date of signature)

I, Marvin Zhang (name), whose residential address is Room 803 Unit 8, Building 1, Dongfang Guan Lane, Dongcheng District was personally present and did see Jun Guo (name of person signing the assignment) who is personally known to me, execute the above assignment.

Marvin Zhang (signature of second witness)

Signed at 8/F, Block D, No.1, Zhongguancun east Road (location of witness signature)

on this day Sep 24 of 20 14 (date of signature)

Date: 09.24.2014

Sen Zhang
Inventor's Signature

Print full name of inventor: Sen Zhang
Residence: Room 405, Building 14, GanHua Lane
XuanWu District
Beijing, China 100083
Citizenship: China
Mailing Address: Same as above

I, Fenghao Zhang (name), whose residential address is 8/F, Block D, No.1 Zhongguancun East Road, Haidian District was personally present and did see Sen Zhang (name of person signing the assignment) who is personally known to me, execute the above assignment.

Fenghao Zhang (signature of first witness)

Signed at 8/F, Block D, No.1 Zhongguancun East Road (location of witness signature)

on this day Sep. 24 of 20 14 (date of signature)

I, Marvin Zhang (name), whose residential address is Room 803, Unit 8, Building 1, Dongfang Guan Lane, Dong Cheng District was personally present and did see Sen Zhang (name of person signing the assignment) who is personally known to me, execute the above assignment.

Marvin Zhang (signature of second witness)

Signed at 8/F, Block D, No.1 Zhongguancun East Road (location of witness signature)

on this day Sep 24 of 20 14 (date of signature)