

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zhanwei Wang</td> <td>03/28/2013</td> </tr> <tr> <td>Lei Chang</td> <td>03/27/2013</td> </tr> <tr> <td>Tao Ma</td> <td>03/28/2013</td> </tr> <tr> <td>Luke Lonergan</td> <td>03/29/2013</td> </tr> <tr> <td>Lirong Lirong</td> <td>03/28/2013</td> </tr> <tr> <td>Lili Ma</td> <td>03/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zhanwei Wang	03/28/2013	Lei Chang	03/27/2013	Tao Ma	03/28/2013	Luke Lonergan	03/29/2013	Lirong Lirong	03/28/2013	Lili Ma	03/28/2013
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<table border="1"> <tr> <td>Name:</td> <td>EMC Corporation</td> </tr> <tr> <td>Street Address:</td> <td>176 South Street</td> </tr> <tr> <td>City:</td> <td>Hopkinton</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01748</td> </tr> </table>		Name:	EMC Corporation	Street Address:	176 South Street	City:	Hopkinton	State/Country:	MASSACHUSETTS	Postal Code:	01748				
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<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13853803</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13853803										
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CORRESPONDENCE DATA															
Fax Number:	4089732595														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	408-973-2585														
Email:	enguyen@ip-patent.com														
Correspondent Name:	VAN PELT, YI & JAMES LLP AND EMC CORPORA														
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ATTORNEY DOCKET NUMBER:	EMCGP019														

CH \$40.00 13853803

NAME OF SUBMITTER:

William J. James

Total Attachments: 9

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ASSIGNMENT

WHEREAS, we, Zhanwei Wang, Lei Chang, Tao Ma, Luke Lonergan, Lirong Jian, and Lili Ma 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 *TRANSACTION MODEL FOR DATA STORES USING DISTRIBUTED FILE SYSTEMS*, 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.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: May. 28, 2013

Zhanwei Wang
Inventor's Signature

Print full name of first inventor:

Zhanwei Wang

Residence:

Beijing, People's Republic of China

Citizenship:

People's Republic of China

Mailing Address:

176 South Street
Hopkinton, MA 01748

I Shengwen Yang (name) whose residential address is
Room 801, Building 7, Jin Dian Hua Yuan, Haidian District, Beijing 100082, China
was personally present and did see Zhanwei Wang (name of person signing the assignment)
who is personally known to me, execute the above assignment.
Shengwen Yang (signature of first witness) Signed at G/F, Block D,
No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this day
Mar. 28 of 2013 (date of signature)

I Jin Wang (name) whose residential address is
No.15, Wangzhuang Road, Haidian District, Beijing, China
was personally present and did see Zhanwei Wang (name of person signing the assignment)
who is personally known to me, execute the above assignment.
Jin Wang (signature of second witness) Signed at G/F, Block
D, No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this
day Mar. 28 of 2013 (date of signature)

Date: 2013.3.27

CHANG LEI
Inventor's Signature

Print full name of second inventor: **Lei Chang**
Residence: Beijing, People's Republic of China
Citizenship: People's Republic of China
Mailing Address: 176 South Street
Hopkinton, MA 01748

I Shengwen Yang (name) whose residential address is Room 801, Building 7, Jin Dian Hua Yuan, Haidian District, Beijing 100082, China was personally present and did see Lei Chang (name of person signing the assignment) who is personally known to me, execute the above assignment.
Shengwen Yang (signature of first witness) Signed at G/F, Block D, No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this day Mar. 28 of 2013 (date of signature)

I Jin Wang (name) whose residential address is No.15, Wangzhuang Road, Haidian District, Beijing, China was personally present and did see Lei Chang (name of person signing the assignment) who is personally known to me, execute the above assignment.
Jin Wang (signature of second witness) Signed at G/F, Block D, No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this day Mar. 28 of 2013 (date of signature)

Date: Mar. 28. 2013

Tao Ma

Inventor's Signature

Print full name of third inventor:

Tao Ma

Residence:

Beijing, People's Republic of China

Citizenship:

People's Republic of China

Mailing Address:

176 South Street

Hopkinton, MA 01748

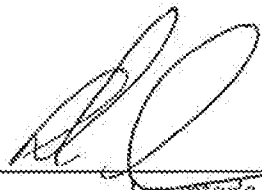
I Shengwen Yang (name) whose residential address is
Room 801, Building 7, Jin Dian Hua Yuan, Haidian District, Beijing 100082, China
was personally present and did see Tao Ma (name of person signing the assignment)
who is personally known to me, execute the above assignment.

Shengwen Yang (signature of first witness) Signed at G/F, Block D,
No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this day
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Jin Wang (signature of second witness) Signed at G/F, Block
D, No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this
day Mar. 28 of 2013, (date of signature)

Date: 3/29/13


Inventor's Signature


Print full name of fourth inventor: **Luke Lonergan**
Residence: San Carlos, CA
Citizenship: United States of America
Mailing Address: 176 South Street
Hopkinton, MA 01748

STATE OF CA
COUNTY OF San Mateo

On this 09 day of March, 2013, before me appeared Luke Lonergan who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.


Notary Public
Print Name: Notary Public Rivera
My Commission expires 03/23/2014

PLEASE SEE ATTACHED
ACKNOWLEDGEMENT/JURAT
FROM NOTARY PUBLIC

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of San Mateo

On 3/29/13 before me, Natalia Perez Rivera, Notary Public

Date

Here Insert Name and Title of the Officer

personally appeared LUKE LONERGAN

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Place Notary Seal Above

Signature Natalia Perez Rivera
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: Assignment

Document Date: 3/29/13 Number of Pages: 8

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: LUKE LONERGAN

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer is Representing: POCKET # EMCCP019

Signer's Name: _____

- Individual
- Corporate Officer — Title(s): _____
- Partner — Limited General
- Attorney in Fact
- Trustee
- Guardian or Conservator
- Other: _____



Signer is Representing: _____

Date: Mar. 28, 2013

Lirong Jian
Inventor's Signature

Print full name of fifth inventor: **Lirong Jian**
Residence: Beijing, People's Republic of China
Citizenship: People's Republic of China
Mailing Address: 176 South Street
Hopkinton, MA 01748

I Shengwen Yang (name) whose residential address is
Room 801, Building 7, Jin Dian Hua Yuan, Haidian District, Beijing 100082, China
was personally present and did see Lirong Jian (name of person signing the assignment)
who is personally known to me, execute the above assignment.
Shengwen Yang (signature of first witness) Signed at G/F, Block D,
No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this day
Mar. 28 of 2013 (date of signature)

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Jin Wang (signature of second witness) Signed at G/F, Block
D, No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this
day Mar. 28 of 2013 (date of signature)

Date: Mar. 28 2013

Lili Ma
Inventor's Signature

Print full name of sixth inventor:

Lili Ma

Residence:

Beijing, People's Republic of China

Citizenship:

People's Republic of China

Mailing Address:

176 South Street

Hopkinton, MA 01748

I Shengwen Yang (name) whose residential address is
Room 801, Building 7, Jin Dian Hua Yuan, Haidian District, Beijing 100082, China was
personally present and did see Lili Ma (name of person signing the assignment)
who is personally known to me, execute the above assignment.

Shengwen Yang (signature of first witness) Signed at G/F, Block D,
No. 1 Zhongguancun East Road, Beijing, China (location of witness signature) on this day
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