

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>Kumar Kanteti</td> <td>01/09/2012</td> </tr> <tr> <td>Yingchao Zhou</td> <td>01/10/2012</td> </tr> <tr> <td>Jun Guo</td> <td>01/10/2012</td> </tr> <tr> <td>Sitaram Pawar</td> <td>01/09/2012</td> </tr> <tr> <td>Walter C. Forrester</td> <td>01/11/2012</td> </tr> <tr> <td>Jia Zhai</td> <td>01/10/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kumar Kanteti	01/09/2012	Yingchao Zhou	01/10/2012	Jun Guo	01/10/2012	Sitaram Pawar	01/09/2012	Walter C. Forrester	01/11/2012	Jia Zhai	01/10/2012
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RECEIVING PARTY DATA															
<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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PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13348508</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13348508										
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Application Number:	13348508														
CORRESPONDENCE DATA															
Fax Number:	(713)456-2836														
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Email:	Richard.Auchterlonie@novakdruce.com														
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>															
Correspondent Name:	Richard C. Auchterlonie														
Address Line 1:	1000 Louisiana Street, 53rd Floor														
Address Line 2:	Novak Druce & Quigg, LLP														
Address Line 4:	Houston, TEXAS 77002														
ATTORNEY DOCKET NUMBER:	EMC-11-304														

CH \$40.00 13348508

NAME OF SUBMITTER:

Richard C. Auchterlonie

Total Attachments: 7

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ASSIGNMENT

WHEREAS, we, **Kumar Kanteti, Yingchao Zhou, Jun Guo, Sitaram Pawar, Walter C. Forrester, and Jia Zhai**, 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 **Automatically Committing Files to be Write-Once-Read-Many in a File System**, 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: 1/9/12

K. K. H.
Inventor's Signature

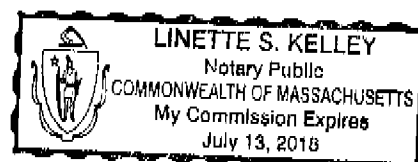
Print full name of first inventor: **Kumar Kanteti**
Residence: 15 Pratt St., Grafton, MA 01560
Citizenship: United States
Mailing Address: 15 Pratt St., Grafton, MA 01560

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 9th day of January, 2012 (LSA), then personally appeared before me the above-named **Kumar Kanteti**, 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.

Linette S. Kelley
Notary Public

Print Name: Linette S. Kelley
My Commission expires 07/13/2018



Date: 2012 . 1 . 10

Yingchao Zhou

Inventor's Signature

Print full name of second inventor: **Yingchao Zhou**

Residence: Room 2-502, No. 6 Building, Wuqu, Tiantongyuan, Changping
District, Beijing 102218, China

Citizenship: China

Mailing Address: Room 2-502, No. 6 Building, Wuqu, Tiantongyuan, Changping
District, Beijing 102218, China

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the
above-named **Yingchao Zhou**, 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: _____

My Commission expires ____ / ____ / ____

Date: 2012.1.10

Jun Guo

Inventor's Signature

Print full name of third inventor: **Jun Guo**

Residence: Room 103, Unit 2, Building 12, Jimenli Residential Quarter, Haidian
District, Beijing 100088, China

Citizenship: China

Mailing Address: Room 103, Unit 2, Building 12, Jimenli Residential Quarter, Haidian
District, Beijing 100088, China

STATE/Commonwealth of _____
COUNTY OF _____

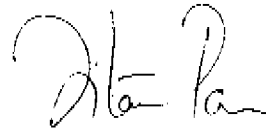
On this _____ day of _____, 2011, then personally appeared before me the
above-named **Jun Guo**, known to me through satisfactory evidence of identification ☐
employee identification card; ☐ driver's license; ☐ (other) _____ to be
the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she
executed the same as his/her free act and deed for the purposes therein contained.

Notary Public

Print Name: _____

My Commission expires ____ / ____ / ____

Date: 1/9/2012



Inventor's Signature

Print full name of forth inventor: **Sitaram Pawar**

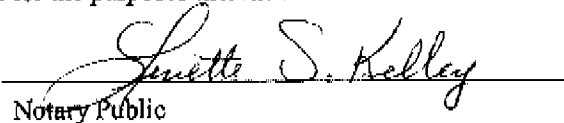
Residence: 28 Edgemont Rd., Shrewsbury, MA 01545

Citizenship: India

Mailing Address: 28 Edgemont Rd., Shrewsbury, MA 01545

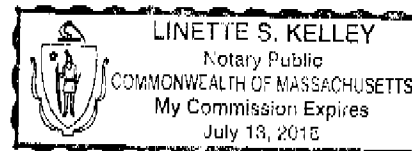
STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 9th day of January, 2012 (LSK), then personally appeared before me the above-named **Sitaram Pawar**, 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: Linette S. Kelley

My Commission expires 07/13/2018



Date:

1/11/12



Inventor's Signature

Print full name of fifth inventor: **Walter C. Forrester**

Residence: 21 Magnum Ct., Berkeley Heights, NJ 07922

Citizenship: United States

Mailing Address: 21 Magnum Ct., Berkeley Heights, NJ 07922

STATE/Commonwealth of _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the above-named **Walter C. Forrester**, 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: _____

My Commission expires ____ / ____ / ____

Date: 2012.01.10

Jia Zhai
Inventor's Signature

Print full name of sixth inventor: **Jia Zhai**

Residence: Room 201, Unit 4, Building 15, Lvlinyuan Residential Quarter,
Fengtai District. Beijing 100190, China

Citizenship: China

Mailing Address: Room 201, Unit 4, Building 15, Lvlinyuan Residential Quarter,
Fengtai District. Beijing 100190, China

STATE/COMMONWEALTH OF _____
COUNTY OF _____

On this _____ day of _____, 2011, then personally appeared before me the
above-named **Jia Zhai**, 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: _____

My Commission expires ____ / ____ / ____