

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Ziye Yang</td> <td>05/10/2013</td> </tr> <tr> <td>Chenhui Fan</td> <td>05/10/2013</td> </tr> <tr> <td>Stephen Todd</td> <td>05/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ziye Yang	05/10/2013	Chenhui Fan	05/10/2013	Stephen Todd	05/21/2013
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Ziye Yang	05/10/2013								
Chenhui Fan	05/10/2013								
Stephen Todd	05/21/2013								
RECEIVING PARTY DATA									
Name:	EMC Corporation								
Street Address:	176 South Street								
City:	Hopkinton								
State/Country:	MASSACHUSETTS								
Postal Code:	01748								
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>13804194</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13804194				
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CORRESPONDENCE DATA									
Fax Number:	5167599512								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	EMC-12-965								
NAME OF SUBMITTER:	William E. Lewis								
Signature:	/william e. lewis/								

Date:

06/04/2013

**Total Attachments: 4**

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ASSIGNMENT

WHEREAS, we, Ziyue Yang, Chenhui Fan and Stephen Todd, 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 **CONSTRUCTING VIRTUAL STORAGE NETWORKS FOR MULTIPLE TENANTS WITH QUALITY-OF-SERVICE DELIVERY**, 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 March 14, 2013 as U.S. Application No. 13/804,194;
- 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 10, 2013

  
\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor:

Ziye Yang

Residence:

Shanghai, China

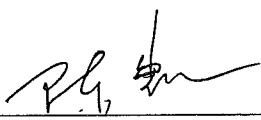
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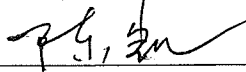
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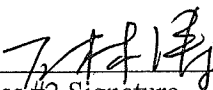
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Miaozhen, Chongming District  
Shanghai, China 202153

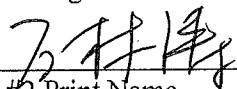
May 10, 2013  
Date

  
\_\_\_\_\_  
Witness #1 Signature

  
\_\_\_\_\_  
Witness #1 Print Name

May 10, 2013  
Date

  
\_\_\_\_\_  
Witness #2 Signature

  
\_\_\_\_\_  
Witness #2 Print Name

Date: May 10, 2013

范晨辉  
Inventor's Signature

Print full name of second inventor:

Chenhui Fan

Residence:

Shanghai, China

Citizenship:

China

Mailing Address:

Room 505, Building 23, No. 471  
Miyun Road, Hongkou District  
Shanghai, China 200092

May 10, 2013  
Date

陈嘉  
Witness #1 Signature

陈嘉  
Witness #1 Print Name

May 10, 2013  
Date

郭峰  
Witness #2 Signature

郭峰  
Witness #2 Print Name

Date: May 21 2013

Stephen Todd  
Inventor's Signature

Print full name of third inventor: Stephen Todd  
Residence: Shrewsbury, Massachusetts  
Citizenship: United States of America  
Mailing Address: 36 Thomas Farm Circle  
Shrewsbury, Massachusetts 01545

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 21<sup>st</sup> day of May, 2013, then personally appeared before me the above-named Stephen Todd known to me through satisfactory evidence of identification  employee identification card;  driver's license;  (other) personally known to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his/her free act and deed for the purposes therein contained.

Jeannette M. Thomas  
Notary Public  
Print Name: Jeannette M. Thomas  
My Commission expires 1/31/2014

