

## 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>Alexander Oscherov</td> <td>10/18/2005</td> </tr> <tr> <td>Victor Spivak</td> <td>10/18/2005</td> </tr> <tr> <td>Eric Lundblad</td> <td>10/18/2005</td> </tr> <tr> <td>Alex Treyger</td> <td>10/21/2005</td> </tr> </tbody> </table>  |                  | Name          | Execution Date  | Alexander Oscherov  | 10/18/2005       | Victor Spivak | 10/18/2005 | Eric Lundblad  | 10/18/2005    | Alex Treyger | 10/21/2005 |
| Name  | Execution Date   |               |                 |                     |                  |               |            |                |               |              |            |
| Alexander Oscherov  | 10/18/2005       |               |                 |                     |                  |               |            |                |               |              |            |
| Victor Spivak   | 10/18/2005       |               |                 |                     |                  |               |            |                |               |              |            |
| Eric Lundblad   | 10/18/2005       |               |                 |                     |                  |               |            |                |               |              |            |
| Alex Treyger  | 10/21/2005       |               |                 |                     |                  |               |            |                |               |              |            |
| 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      |
| 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>13869864</td> </tr> </tbody> </table>   |                  | Property Type | Number          | Application Number: | 13869864         |               |            |                |               |              |            |
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| Application Number:   | 13869864         |               |                 |                     |                  |               |            |                |               |              |            |
| CORRESPONDENCE DATA   |                  |               |                 |                     |                  |               |            |                |               |              |            |
| <p>Fax Number: 4089732595<br/> <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 4089732585<br/>       Email: mgreen@ip-patent.com<br/>       Correspondent Name: Van Pelt, Yi and James LLP<br/>       Address Line 1: 10050 N. Foothill Blvd<br/>       Address Line 2: Ste 200<br/>       Address Line 4: Cupertino, CALIFORNIA 95014</p> |                  |               |                 |                     |                  |               |            |                |               |              |            |
| ATTORNEY DOCKET NUMBER:   | EMCCP079C1       |               |                 |                     |                  |               |            |                |               |              |            |
| NAME OF SUBMITTER:  | Jia-Ning Qu      |               |                 |                     |                  |               |            |                |               |              |            |
| Signature:  | /Jia-Ning Qu/    |               |                 |                     |                  |               |            |                |               |              |            |

CH \$40.00 13869864

Date:

08/22/2013

**Total Attachments: 5**

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## ASSIGNMENT OF PATENT APPLICATION

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

### PROVIDING LOCAL ACCESS TO MANAGED CONTENT

for which I (we) have executed an application for a United States Letters Patent which was filed in the U.S. Patent and Trademark Office on September 15, 2005, and which bears the Application No. 11/229,317, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known;

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to 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, the entire right title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application and/or in any provisional application to which the above referenced application claims priority.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

Date:

10/18/2005

*Alex Oscherov*

Inventor's Signature

Print full name of first inventor:

Alex Oscherov

Residence:

Danville, CA

Citizenship:

United States of America

Mailing Address:

6801 Koll Center  
Pleasanton, CA 94566

STATE/Commonwealth of  
COUNTY OF

CA  
Santa Clara

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 18 day of October, 2005.

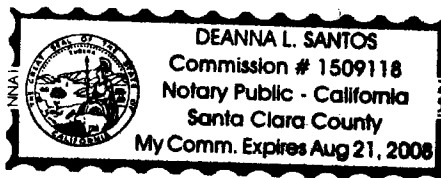
*Deanna J Santos*

Notary Public

Print Name:

Deanna L Santos

My Commission expires 8/21/08



Date:

10/18/2005

[Signature]

Inventor's Signature

Print full name of first inventor:

**Victor Spivak**

Residence:

San Mateo, CA

Citizenship:

United States of America

Mailing Address:

6801 Koll Center  
Pleasanton, CA 94566

STATE/Commonwealth of

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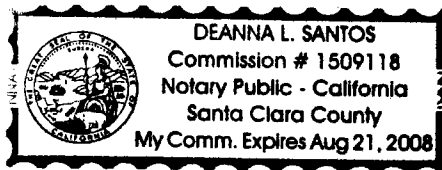
[Signature]

Notary Public

Print Name:

Deanna L Santos

My Commission expires 8/21/08



Date:

18 Oct 2005

  
Inventor's Signature

Print full name of first inventor:

**Eric Lundblad**

Residence:

Oakland, CA

Citizenship:

United States of America

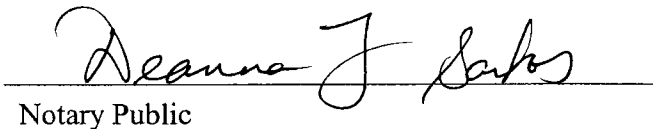
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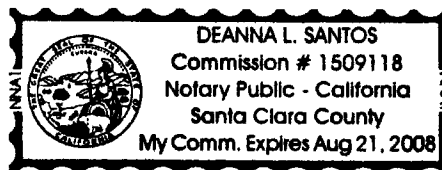
Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 18 day of October, 2005.

  
Notary Public

Print Name:

Deanna L Santos

My Commission expires 8/24/08



Date:

10/21/05

Alex Treyger

Inventor's Signature

Print full name of first inventor:

Alex Treyger

Residence:

San Jose, CA

Citizenship:

United States of America

Mailing Address:

6801 Koll Center  
Pleasanton, CA 94566

STATE/COMMONWEALTH OF  
COUNTY OF

CA

Santa Clara

Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 21 day of October, 2005.

Deanna J Santos

Notary Public

Print Name:

Deanna L Santos

My Commission expires 8 / 21 / 08

