

**ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-**

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

- a) Mark Huang
- b) Curtis Anderson
- c) R. Hugo Patterson

2. Name and address of receiving party(ies):

- a) Name: EMC Corporation
- b) Address: 176 South Street, Hopkinton, Massachusetts 01748

3. Nature of conveyance

- |                                     |                    |                          |                   |
|-------------------------------------|--------------------|--------------------------|-------------------|
| <input checked="" type="checkbox"/> | Assignment         | <input type="checkbox"/> | Merger            |
| <input type="checkbox"/>            | Security Agreement | <input type="checkbox"/> | Change of Name    |
| <input type="checkbox"/>            | Other _____        | <input type="checkbox"/> | License Agreement |

Execution Date: a) 11/24/2010, b) 11/16/2010, c) 11/16/2010

4. Application Number(s) or Patent Number(s): 12/895,827

The title of the (new) application is:

**TRANSMITTING FILESYSTEM CHANGES OVER A NETWORK**

5. Please send all correspondence concerning this (these) documents to:

**Customer No. 57255  
 Van Pelt, Yi & James LLP  
 10050 N. Foothill Blvd,  
 Suite 200  
 Cupertino, CA 95014  
 408-973-2585**

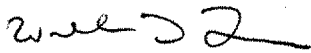
6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- The USPTO is hereby authorized to charge the fee and any deficiencies to Deposit Account No. 50-0685 (Order No. DDOMP042)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: December 2, 2010

  
 \_\_\_\_\_  
 William J. James  
 Registration No. 40,661

CH \$40.00 500685 12895827

**PATENT/Joint Assignment**  
**Attorney Docket No.: DDOMP042**  
**EMC Docket No.: EMC-10-102**

## ASSIGNMENT

**WHEREAS**, we, Mark Huang, Curtis Anderson, and R. Hugo Patterson 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 *TRANSMITTING FILESYSTEM CHANGES OVER A NETWORK*, 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 September 30, 2010 as U.S. Application No. 12/895,827;
- 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,

**PATENT**  
**REEL: 025381 FRAME: 0771**

**PATENT/Joint Assignment**  
**Attorney Docket No.: DDOMP042**  
**EMC Docket No.: EMC-10-102**

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: 11 / 24 / 2010

[Signature]  
Inventor's Signature

Print full name of first inventor: **Mark Huang**  
Residence: **Seattle, WA**  
Citizenship: **United States of America**  
Mailing Address: **2421 Mission College Boulevard, Santa Clara, CA 95054**

STATE OF WA  
COUNTY OF King

Then personally appeared before me the above-named Mark Lee Huang and acknowledged that he/~~she~~ executed the foregoing instrument as his/~~her~~ free act and deed this 24 day of November, 2010.



[Signature]  
Notary Public  
Print Name: Kristine L Kerschner  
My Commission expires 8 / 22 / 13

PATENT/Joint Assignment  
Attorney Docket No.: DDOMP042  
EMC Docket No.: EMC-10-102

Date: 11/16/2010

[Signature]  
Inventor's Signature

Print full name of second inventor: **Curtis Anderson**  
Residence: Saratoga, CA  
Citizenship: United States of America  
Mailing Address: 2421 Mission College Boulevard, Santa Clara,  
CA 95054

STATE OF CA  
COUNTY OF Santa Clara

On this 16 day of November, 2010, before me appeared Curtis Anderson 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.

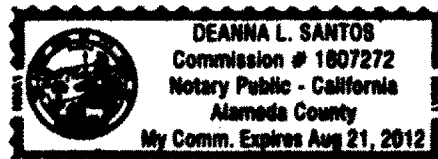
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Deanna L. Santos  
Notary Public

Print Name: Deanna L. Santos

My Commission expires 8 / 21 / 2012



PATENT/Joint Assignment  
Attorney Docket No.: DDOMP042  
EMC Docket No.: EMC-10-102

Date: 11/16/2010

R. Hugo Patterson  
Inventor's Signature

Print full name of third inventor: **R. Hugo Patterson**  
Residence: Los Altos, CA  
Citizenship: United States of America  
Mailing Address: 2421 Mission College Boulevard, Santa Clara,  
CA 95054

STATE OF CA  
COUNTY OF Santa Clara

On this 16 day of November, 20 10, before me appeared R. Hugo Patterson 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.

Deanna J. Santos  
Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/2012

