

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027(exp. 6/30/2008)

EMC-10-454

### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patents and Trademarks Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

- 1. Paul LeMahieu
- 2. Steven Halzel
- 3. Jane M. Lawler
- 4. Jake Frazier

Additional name(s) of conveying party(ies) attached?  Yes  No

**3. Nature of Conveyance/Execution Date(s):**

Execution Date: 1. 02/10/2011 2. 01/27/2011

3. 01/28/2011 4. 02/12/2011

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Other \_\_\_\_\_

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

Name: EMC Corporation

Internal Address: \_\_\_\_\_

Street Address: 176 South Street

City: Hopkinton

State: MA

Country: USA Zip: 01748

Additional name(s) and address(es) attached?  Yes  No

**4. Application or patent number(s):**

This document is being filed together with a new application.

A. Patent Application No.(s) 12/983,249

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Victor Huang

Internal Address: EMC Corporation

Street Address: 2421 Mission College Boulevard

City: Santa Clara State: CA Zip: 95054

Phone Number: 408-326-4379

Fax Number: 408-562-1417

Email Address: victor.huang@emc.com

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41): \$ 40.00**

- Authorized to be charge by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit account number 05-0889

Authorized User Name \_\_\_\_\_

**9. Signature:** /Victor Huang/

March 2, 2011

Signature

Date

Victor Huang

Total number of pages including cover sheet, attachments, and documents: [8]

Name of Person Signing

CH \$40.00 050889 12983249

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop: Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria VA 22313-1450

**ASSIGNMENT**

**WHEREAS**, we, Paul LeMahieu, Steven Halzel, Jane M. Lawler and Jake Frazier 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 INSTANTIATING VIRTUAL APPLIANCES, 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 December 31, 2010 as U.S. Application No. 12/983,249;
- 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

**PATENT/Joint Assignment  
EMC Docket No.: EMC-10-454**

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: 2/10/2011

*Paul LeMahieu*  
Inventor's Signature

Print full name of first inventor:

**Paul LeMahieu**

Residence:

485 Ellis St., Apt. 1, Pasadena, CA 91105

Citizenship:

US

Mailing Address:

Same as above

STATE OF California  
COUNTY OF Los Angeles

On this 10 day of February, 2011, before me appeared Paul LeMahieu 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.



*Joshua Hatfield*  
Notary Public

Print Name: Joshua Hatfield

My Commission expires 3/27/2014

PATENT/Joint Assignment  
EMC Docket No.: EMC-10-454

Date: 1/27/11

Steven Halzel  
Inventor's Signature

Print full name of second inventor:

**Steven Halzel**

Residence:

44 Grover Rd., Ashland, MA 01721

Citizenship:

US

Mailing Address:

Same as above

STATE/Commonwealth of Massachusetts  
COUNTY OF Norfolk

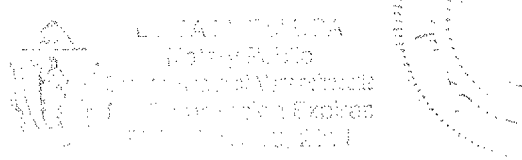
On this 27th day of January, 2011, then personally appeared before me the above-named \_\_\_\_\_ known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other)

\_\_\_\_\_ 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.

Linda R. DeLoria  
Notary Public

Print Name: Linda R. DeLoria

My Commission expires 2/1/11



PATENT/Joint Assignment  
EMC Docket No.: EMC-10-454

Date: 1-28-11

Jane M. Lawler  
Inventor's Signature

Print full name of third inventor:

**Jane M. Lawler**

Residence:

2 Meadow Brook Ave., Lexington, MA 02421

Citizenship:

US

Mailing Address:

Same as above

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 28<sup>th</sup> day of January, 2011, then personally appeared before me the above-named \_\_\_\_\_ known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other)

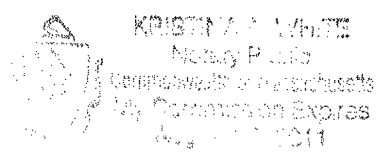
\_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Kristina A. White

Notary Public

Print Name: Kristina A. White

My Commission expires 8/31/2011



PATENT/Joint Assignment  
EMC Docket No.: EMC-10-454

Date: 2-12-11

[Signature]  
Inventor's Signature

Print full name of fourth inventor:

**Jake Frazier**

Residence:

2720 Shire Ridge Dr., Austin, TX 78732

Citizenship:

US

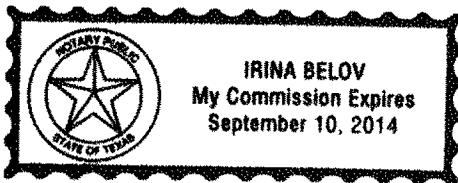
Mailing Address:

Same as above

STATE/Commonwealth of  
COUNTY OF

TX  
TRAVIS

On this 12 day of FEBRUARY, 20 11, then personally appeared before me the above-named JAKE FRAZIER known to me through satisfactory evidence of identification  employee identification card;  driver's license;  (other) JAKE FRAZIER TX 20924817 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.



[Signature]  
Notary Public

Print Name: IRINA BELOV

My Commission expires 09/10/2014