

EMC-09-066

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. Michael John Dutch
2. Christopher Hercules Claudatos
3. William Dale Andrus
4. Bruce David Leetch

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

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

Execution Date: 1. 4/9/09 2. 4/9/09 3. 4/10/09

4. 5/9/09

- ☒ 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) 12/416,144

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Theodore A. Chen, Esq.

Internal Address: EMC Corporation

Street Address: 6801 Koll Center Parkway

City: Pleasanton State: CA Zip: 94566

Phone Number: 925-600-5681

Fax Number: 925-600-5682

Email Address: chen_theodore@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: /Theodore A. Chen/

May 27, 2009

Signature

Date

Theodore A. Chen

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

Name of Person Signing

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 22313-1460

CH \$40.00 050889 12416144

700409490

**PATENT
REEL: 022754 FRAME: 0500**

ASSIGNMENT

WHEREAS, we, Michael John Dutch, Christopher Hercules Claudatos, William Dale Andruss and Bruce David Leetch 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 COMPLEMENTARY SPACE REDUCTION, 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 31, 2009 as U.S. Application No. 12/416,144;
- ☐ 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/Joint Assignment
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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:

PATENT/Joint Assignment
EMC Docket No.: EMC-09-066Date: 4/9/2009
Inventor's Signature

Print full name of first inventor:

Michael John Dutch

Residence:

21010 Bank Mill Road, Saratoga, CA 95070

Citizenship:

USA

Mailing Address:

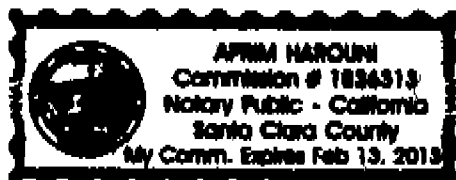
Same as above

STATE OF
COUNTY OFCalifornia
Santa Clara

On this 09th day of April, 2009, before me appeared Michael John Dutch 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.


Notary PublicPrint Name: APRIM HAROUNIMy Commission expires 02/13/2013

PATENT/Joint Assignment
EMC Docket No.: EMC-09-066

Date:

4/9/09
Inventor's Signature

Print full name of second inventor:

Christopher Hercules Claudatos

Residence:

842 Portwood Circle, San Jose, CA 95120

Citizenship:

USA

Mailing Address:

Same as above

STATE OF
COUNTY OFCalifornia
Santa Clara

On this 09th day of April, 2009, before me appeared Chris Claudatos 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.


Notary PublicPrint Name: APRIM HAROUNIMy Commission expires 02/13/2013

PATENT/Joint Assignment
EMC Docket No.: EMC-09-066Date: 4/10/09William D. Andruss
Inventor's Signature

Print full name of third inventor:

William Dale Andruss

Residence:

4144 Aldrich Avenue South, Minneapolis, MN
55409

Citizenship:

USA

Mailing Address:

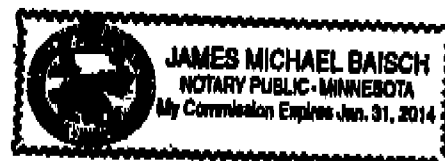
Same as above

STATE OF
COUNTY OFMinnesota
 Hennepin

On this 10th day of April, 2009, before me appeared William Dale Andruss 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.

James M. Baisch
Notary PublicPrint Name: James M. BaischMy Commission expires 01/31/2014

PATENT/Joint Assignment
EMC Docket No.: EMC-09-066Date: May 7 2009B. Leetch
Inventor's Signature

Print full name of fourth inventor:

Bruce David Leetch

Residence:

9572 Fox Run Drive, Mason, OH 45040

Citizenship:

USA

Mailing Address:

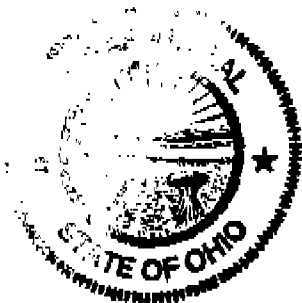
Same as above

STATE OF
COUNTY OFOhio
Warren

On this 9 day of May, 2009, before me appeared BRUCE DAVID LEETCH 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.

Michele Weaver
Notary Public

Michele Weaver, Notary Public Print Name: MICHELE WEAVER
In and for the State of Ohio My Commission expires 7/25/2012
My Commission Expires
July 25th 2012