

03-05-2004

orney Docket No.: EMC03-16(03086)

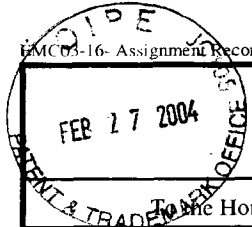
RECOF



IEET

102685212

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.



1. Name of conveying party(ies) 2-27-04  
 John P. Sheehy Executed: January 26, 2004  
 Evgeny Roytman Executed: January 20, 2004  
 Thomas DeMay Executed: February 17, 2004  
 Anoop Ninan Executed: January 19, 2004  
 Boris Farizon Executed: January 19, 2004  
 Valery Altman Executed: January 19, 2004  
 Gregory MacKinnon Executed: January 19, 2004

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

2. Name and address of receiving party(ies)  
 Name: EMC Corporation  
 Internal Address: \_\_\_\_\_  
 \_\_\_\_\_

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date: January 26, 2004, January 20, 2004,  
 February 17, 2004, January 19, 2004  
 January 19, 2004, January 19, 2004  
 January 19, 2004

Street Address: 176 South Street  
 \_\_\_\_\_  
 City: Hopkinton State: MA ZIP: 01748

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

4. Application number(s) or patent number(s):  
 If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)  
10/675,205  
 03/03/2004 XBERHE 00000009 10975205  
 01 00:0001 \_\_\_\_\_ 40.00 [P]

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

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:  
 Name: Barry W. Chapin, Esq.  
 Internal Address: \_\_\_\_\_  
CHAPIN & HUANG, L.L.C.  
 \_\_\_\_\_  
 Street Address: Westborough Office Park  
1700 West Park Drive  
 City: Westborough State: MA ZIP: 01581

6. Total number of applications and patents involved:  1  1

7. Total Fee (37 C.F.R. 3.41)..... \$ 40.00  
 Enclosed with application filing fee  
 Authorized to charge any deficiencies or credit any overpayment to deposit account  
 Authorized to be charged to deposit account

8. Deposit account number:  
50-0901  
 (Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.  
*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.*

Barry W. Chapin, Esq. February 24, 2004  
 Reg. No.: 39,934  
 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: [11]

**ASSIGNMENT**

**WHEREAS**, we, John P. Sheehy, Evgeny Roytman, Thomas DeMay, Anoop George Ninan, Boris Farizon, Valery Altman, and Gregory MacKinnon, have invented a certain improvement in **METHOD AND APPARATUS FOR IDENTIFYING AND PROCESSING CHANGES TO MANAGEMENT INFORMATION** described in an application for Letters Patent of the United States, 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, 2003 as U.S. Application No. 10/675,205;
- 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 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 the date set forth below.

Inventor: John P. Sheehy &  
John P. Sheehy

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named John P. Sheehy and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 26 day of January, 2004.

(SEAL)

Sally A. McCormack Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10/3/08

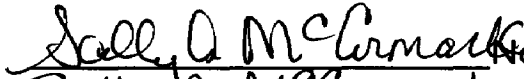
**Sally A. McCormack, Notary Public**  
My Commission Expires **Oct. 3, 2008**

Inventor:   
Evgeny Roytman

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Evgeny Roytman  
and acknowledged that he/she executed the foregoing instrument as  
his/her free act and deed this 20 day of January, 2004.

(SEAL)

 Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10 / 3 / 08

**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**

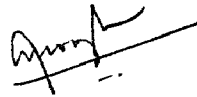
Inventor: \_\_\_\_\_  
Thomas DeMay

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Thomas DeMay  
and acknowledged that he/she executed the foregoing instrument as  
his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

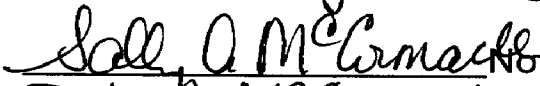
(SEAL)

\_\_\_\_\_ Notary Public  
\_\_\_\_\_ (print name)  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_

Inventor:   
Anoop George Ninan

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Anoop George Ninan and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 9 day of January, 2004.

 Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10/3/08


(SEAL)

**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**

Inventor:   
Boris Farizon

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Boris Farizon and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 9 day of January, 2004.

 Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10/3/08

(SEAL)

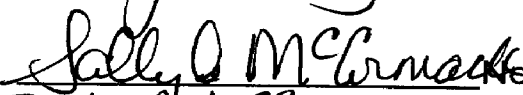
**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**

Inventor:   
Valery Altman

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Valery Altman and  
acknowledged that he/she executed the foregoing instrument as his/her  
free act and deed this 19 day of January, 2004.

(SEAL)

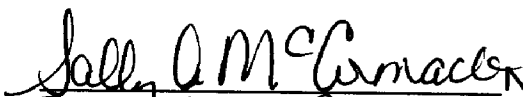
 Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10/3/08  
**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**

Inventor:   
Gregory MacKinnon

State/Commonwealth  
of Massachusetts  
County of Middlesex

Then personally appeared before me the above-named Gregory  
MacKinnon and acknowledged that he/she executed the foregoing  
instrument as his/her free act and deed this 19 day of January  
\_\_\_\_\_, 2004.

(SEAL)

 Notary Public  
Sally A. McCormack (print name)  
My Commission expires 10/3/08

**Sally A. McCormack, Notary Public**  
**My Commission Expires Oct. 3, 2008**

**ASSIGNMENT**

**WHEREAS**, we, John P. Sheehy, Evgeny Roytman, Thomas DeMay, Anoop George Ninan, Boris Farizon, Valery Altman, and Gregory MacKinnon, have invented a certain improvement in **METHOD AND APPARATUS FOR IDENTIFYING AND PROCESSING CHANGES TO MANAGEMENT INFORMATION** described in an application for Letters Patent of the United States, 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, 2003 as U.S. Application No. 10/675,205;
- 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 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 the date set forth below.

Inventor: \_\_\_\_\_  
John P. Sheehy

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named John P. Sheehy and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_



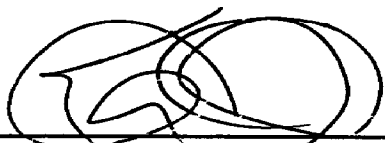
Inventor: \_\_\_\_\_  
Evgeny Roytman

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Evgeny Roytman and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

(SEAL)

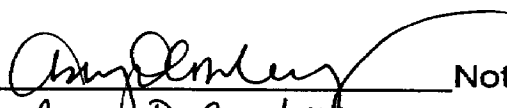
\_\_\_\_\_  
Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_

Inventor:   
Thomas DeMay

State/Commonwealth  
of Virginia  
~~County of~~ Alexandria  
City

Then personally appeared before me the above-named Thomas DeMay and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 17th day of February, 2004.

(SEAL)

  
\_\_\_\_\_  
Notary Public  
Amy D. Conley (print name)  
My Commission expires 12 / 31 / 2005

-4-

Inventor: \_\_\_\_\_  
Anoop George Ninan

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Anoop George Ninan and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_(print name)  
My Commission expires \_\_\_ / \_\_\_ / \_\_\_

Inventor: \_\_\_\_\_  
Boris Farizon

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Boris Farizon and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_(print name)  
My Commission expires \_\_\_ / \_\_\_ /

-5-

Inventor: \_\_\_\_\_  
Valery Altman

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Valery Altman and  
acknowledged that he/she executed the foregoing instrument as his/her  
free act and deed this \_\_\_\_ day of \_\_\_\_\_, 2004.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_ / \_\_\_ /

Inventor: \_\_\_\_\_  
Gregory MacKinnon

State/Commonwealth  
of \_\_\_\_\_  
County of \_\_\_\_\_

Then personally appeared before me the above-named Gregory  
MacKinnon and acknowledged that he/she executed the foregoing  
instrument as his/her free act and deed this \_\_\_\_ day of \_\_\_\_\_  
\_\_\_\_\_, 2004.

(SEAL) \_\_\_\_\_ Notary Public  
\_\_\_\_\_  
(print name)  
My Commission expires \_\_\_ / \_\_\_ /