

**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) Alex Rankov
 - b) Craig Randall
 - c) Oleg Bivol
 - d) Meir Amiel
 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) 08/22/2007, b) 08/22/2007, c) 08/23/2007, d) 08/22/2007
4. Application Number(s) or Patent Number(s): 11/823,527
- The title of the (new) application is:


OBJECT IDENTITY AND ADDRESSABILITY

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

**Customer No. 57,255
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

<input type="checkbox"/> Enclosed
<input checked="" type="checkbox"/> The USPTO is hereby authorized to charge the fee and any deficiencies to Deposit Account No. 50-0685 (Order No. EMCCP193)
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: August 30, 2007



William J. James
Registration No. 40,661

Attorney Docket No. EMCCP193

(Revised 01/96)

700340318

PATENT
REEL: 019775 FRAME: 0320

CH \$40.00 500685 11823527

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:

OBJECT IDENTITY AND ADDRESSABILITY

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 June 28, 2007, and which bears the Application No. 11/823,527, 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: 8/22/07Alex Rankov
Inventor's Signature

Print full name of first inventor:

Alex Rankov

Residence:

Danville, CA

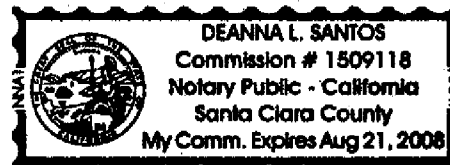
Citizenship:

United States


Mailing Address:

6801 Koll Center Parkway
Pleasanton, CA 94566STATE/COMMONWEALTH OF
COUNTY OFCA
Alameda

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 22 day of August, 2007.

Deanna L. Santos
Notary PublicPrint Name: Deanna L. SantosMy Commission expires 8/21/08

Date:

8/22/2007
Inventor's Signature

Print full name of second inventor:

Craig Randall

Residence:

Pleasanton, CA

Citizenship:

United States

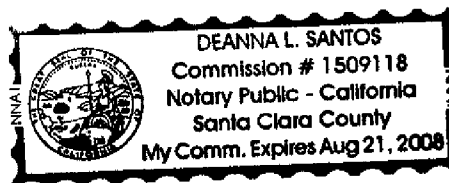
Mailing Address:

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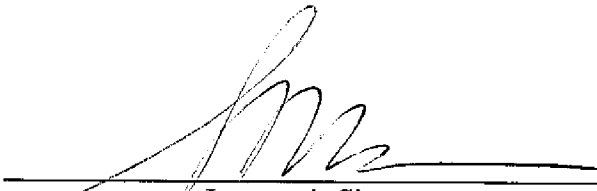
Then personally appeared before me the above-named Inventor's Signature and acknowledged that he/~~she~~ executed the foregoing instrument as his/~~her~~ free act and deed this 22 day of August, 2007.


Notary Public

Print Name:

Deanna L. SantosMy Commission expires 8/21/08

Date:

23 Aug 2007
Inventor's Signature

Print full name of third inventor:

Oleg Bivol

Residence:

Toronto, Canada

Citizenship:

Republic of Moldova

Mailing Address:

6801 Koll Center Parkway
Pleasanton, CA 94566STATE/^{PROV.}COMMONWEALTH OF
COUNTY OF ^{CITY}ONT.
TORONTO


Then personally appeared before me the above-named Inventor ^{who affixed his PSB} ~~Signature~~ and acknowledged that ~~he~~ ^{she} executed the foregoing instrument as his/her free act and deed this 23 day of Aug., 2007.


Notary Public

Print Name:

SHIRA C. BERNHOLTZMy Commission expires UPON DEATH

Date:

8/22/07
Inventor's Signature

Print full name of fourth inventor:

Meir Amiel

Residence:

Pleasanton, CA

Citizenship:

United States

Mailing Address:

6801 Koll Center Parkway
Pleasanton, CA 94566STATE/~~COMMONWEALTH~~ OF
COUNTY OFCA
Alameda

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Notary Public

Print Name: Deanna L. SantosMy Commission expires 8/21/08