

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

EMC-10-187

### 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. Mandavilli Navneeth Rao

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

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

Execution Date: 1.7/15/2010 2. 7/15/2010 3. 7/15/2010

- 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) 12/828,213

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/

July 27, 2010

Signature

Date

Victor Huang

Total number of pages including cover sheet, attachments, and documents: [7]

Name of Person Signing

CH \$40.00 050889 12828213

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, Michael John Dutch, Christopher Hercules Claudatos, and Mandavilli Navneeth Rao 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 DATA ACCESS DURING DATA RECOVERY, 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 June 30, 2010 as U.S. Application No. 12/828,213;
- 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-10-187**

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-10-187

Date: 7/15/2010

*Michael John Dutch*  
Inventor's Signature

Print full name of first inventor: **Michael John Dutch**  
Residence: 21010 Bank Mill Road, Saratoga, CA 95070  
Citizenship: US  
Mailing Address: Same as above

STATE OF CA  
COUNTY OF Santa Clara

On this 15 day of July, 2010, 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.

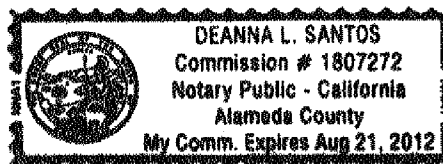
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

*Deanna L. Santos*  
Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/2012



PATENT/Joint Assignment  
EMC Docket No.: EMC-10-187

Date: 7/14/2010

[Handwritten Signature]  
Inventor's Signature

Print full name of second inventor: **Christopher Hercules Claudatos**  
Residence: 842 Portswood Circle, San Jose, CA 95120  
Citizenship: US  
Mailing Address: Same as above

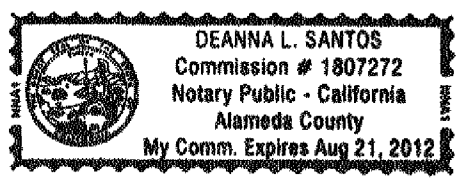
STATE OF CA  
COUNTY OF Santa Clara

On this 15 day of July, 2010, before me appeared Christopher Hercules 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.

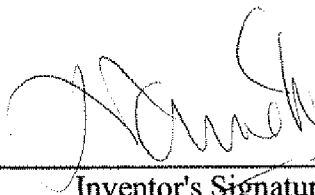
WITNESS my hand and official seal.

Deanna L. Santos  
Notary Public  
Print Name: Deanna L. Santos  
My Commission expires 8/21/2012



Date:

07/15/10



Inventor's Signature

Print full name of third inventor:

**Mandavilli Navneeth Rao**

Residence:

900 Pepper Tree Lane, Apt. # 1715, Santa Clara  
CA 95051

Citizenship:

IN

Mailing Address:

Same as above

STATE OF  
COUNTY OF

CA  
Santa Clara

On this 15 day of July, 20 10, before me appeared Mandavilli Navneeth Rao 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.

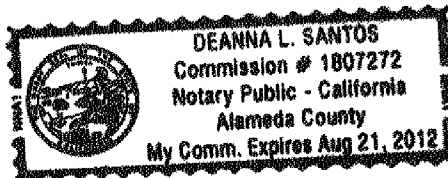
WITNESS my hand and official seal.

Deanna L. Santos

Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/2012



<b>TRANSMITTAL FORM</b>	Application No.:	12/828,213
	Filing Date:	June 30, 2010
	First Named Inventor:	Michael John Dutch
	Group Art Unit	2628
	Examiner:	Not Yet Assigned
	Docket No.	EMC-10-187
<b>ENCLOSURES</b> (check all that apply)		
<input checked="" type="checkbox"/> Authorization for the Commissioner to charge Deposit Account No. 05-0889 for fees associated with this transaction  <input type="checkbox"/> Preliminary Amendment ( ___ pgs) <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/Decl.  <input type="checkbox"/> Extension of Time Request for 3 Months  <input type="checkbox"/> Request for Continued Examination Transmittal  <input type="checkbox"/> Information Disclosure Statement (PTO/SB/08A) (2 pgs)  <input type="checkbox"/> Response to Missing Parts/Incomplete Application	<input checked="" type="checkbox"/> Assignment <input checked="" type="checkbox"/> Recordation Cover Sheet  <input type="checkbox"/> Declaration/Power of Attorney <input type="checkbox"/> Associate Power of Attorney  <input type="checkbox"/> Revocation of Power of Attorney  <input type="checkbox"/> Formal Drawings <input type="checkbox"/> Letter to Official Draftsperson with three (3) sheets of redlined changes to drawings  <input type="checkbox"/> Copy of PTO 948, "Notice of Draftsperson's Patent Review"  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Additional Enclosures:	<input type="checkbox"/> Petition for Revival of an Unintentionally Abandoned Application [37 CFR 1.137(b)] (in duplicate)  <input type="checkbox"/> Continued Prosecution Application (CPA) <input type="checkbox"/> Issue Fee Payment Transmittal  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Status Inquiry  <input type="checkbox"/> Certificate of First Class Mailing  <input type="checkbox"/> Certificate of Express Mail Mailing  <input type="checkbox"/> Postcard
<b>SIGNATURE OF APPLICANT, ATTORNEY OR AGENT</b>		
July 27, 2010 <b>Date:</b>	/Victor Huang/ <b>Victor Huang</b> <b>EMC Corporation</b> <b>Reg No.: 60,050</b> <b>2421 Mission College Boulevard</b> <b>Santa Clara, CA 95054</b>	
<b>Tel: 408-326-4379</b> <b>Fax: 408-562-1417</b>		
<b>CERTIFICATE OF MAILING OR TRANSMISSION [37 CFR 1.8]</b>		
I hereby certify that this correspondence and the above-referenced enclosures are being:		
<input type="checkbox"/> Deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.		
<input checked="" type="checkbox"/> Transmitted by facsimile on the date shown below to the Patent and Trademark Office at (571) 273-0140.		
July 27, 2010	/Deanna Santos/	
Date	Signature	
	Deanna Santos	
	Typed or printed name of person signing certificate	