

AS

03-30-2009

EET

To: Honorable Commissioner of Pat



Please record the attached o

103554321

1. Name of conveying party(ies)  
a) Mandavilli Navneeth Rao
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 of Continuation | <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: September 28, 2006

4. Application Number(s) or Patent Number(s): Not Assigned

The title of the (new) application is:

**OPTIMIZING RECLAMATION OF DATA SPACE**

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

- ☒ Enclosed  
☒ The USPTO is hereby authorized to charge any deficiencies to Deposit Account No. 50-0685 (Order No. EMCCP157C1)

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: March 16, 2009

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\_\_\_\_\_  
Laura Ing  
Registration No. 56,859

# **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:

## **OPTIMIZING RECLAMATION OF DATA SPACE**

(Attorney Docket No. EMCCP157) for which I (we) have executed an application for a United States Letters Patent:

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:

09/28/2006

Mandavilli

Mandavilli

Inventor's Signature

Print full name of first inventor:

**Mandavilli Navneeth Rao**

Residence:

**Mountain View, CA**

Citizenship:

**India**

Mailing Address:

**6801 Koll Center Parkway  
Pleasanton, CA 94566**

STATE/~~COMMONWEALTH~~ OF

California

COUNTY OF

Santa Clara

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 28<sup>th</sup> day of September, 2006.

Rajesh Rao Badanidiyoor

Notary Public

Print Name: RAJESH RAO BADANIDIYOOR

My Commission expires 01/10/2008

Pls see attached CA-All  
purpose Acknowledgment.

# CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of santa clara

} ss.

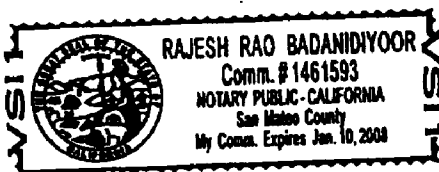
On Sept 28th, 2006 before me, RAJESH RAO BADANIDIYOR Notary Public  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")

personally appeared Mandavilli Navneeth Rao

Name(s) of Signer(s)

- ☐ personally known to me  
☒ 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.



WITNESS my hand and official seal.

Rajesh Rao Badanidiyor  
Signature of Notary Public

## OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

### Description of Attached Document

Title or Type of Document: Declaration & POA for Original US Patent

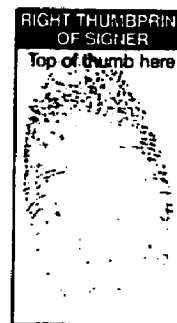
Document Date: 09/28/2006 Number of Pages: -4-

Signer(s) Other Than Named Above: \_\_\_\_\_

### Capacity(ies) Claimed by Signer

Signer's Name: Mandavilli Navneeth Rao

- ☒ Individual  
☐ Corporate Officer — Title(s): \_\_\_\_\_  
☐ Partner — ☐ Limited ☐ General  
☐ Attorney-in-Fact  
☐ Trustee  
☐ Guardian or Conservator  
☐ Other: \_\_\_\_\_



Signer Is Representing: \_\_\_\_\_