

**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) Akhil Kaushik
 - b) Subramanian Periyagaram
 - c) Jian Xing
 - d) Rangarajan Suryanarayanan

- 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"/> Security Agreement <input type="checkbox"/> Other _____	<input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> License Agreement
---	--

Execution Date: a) 09/16/05, b) 09/16/05, c) 09/14/05, & d) 09/16/05

- 4. Application Number(s) or Patent Number(s): 11/207,596

The title of the (new) application is:

DATA OBJECT SEARCH AND RETRIEVAL

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

Customer No. 21912
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 the fee and any deficiencies to Deposit Account No. 50-0685 (Order No. LEGAP067)

- 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: October 26, 2005


 Jong Andrew H. Park
 Registration No. 56,917

Attorney Docket No. LEGAP067

700221189

PATENT
REEL: 016955 FRAME: 0523

CH \$40.00 500685 11207596

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:

DATA OBJECT SEARCH AND RETRIEVAL

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 August 18, 2005, and which bears the Application No. 11/207,596, 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: 09/16/2005

Akhil Kaushik
Inventor's Signature

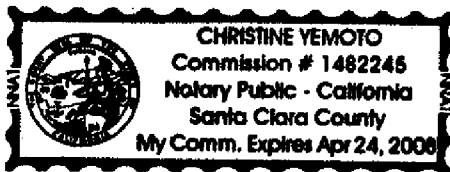
Print full name of first inventor:	Akhil Kaushik
Residence:	Sunnyvale, CA
Citizenship:	India
Mailing Address:	6801 Koll Center Pleasanton, CA 94566

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 16 day of SEPTEMBER, 2005.

Christine Yemoto
 Notary Public

Print Name: CHRISTINE YEMOTO
 My Commission expires 4/24/2008



Date: 16th September, 2005

Subramanian Periyagaram
Inventor's Signature

Print full name of first inventor:

Subramanian Periyagaram

Residence:

Sunnyvale, CA

Citizenship:

India

Mailing Address:

6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth of

CALIFORNIA

COUNTY OF

~~REPUBLIC OF INDIA~~
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 16 day of September, 2005.

Christine Yemoto

Notary Public

Print Name: CHRISTINE YEMOTO

My Commission expires 4/24/2008



Date: 09/14/05

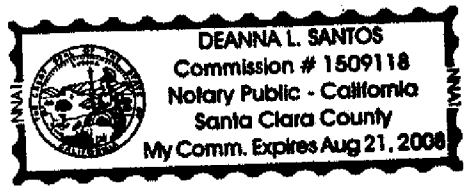
Jian Xing
Inventor's Signature

Print full name of first inventor: **Jian Xing**
Residence: Antioch, CA
Citizenship: People's Republic of China
Mailing Address: 6801 Koll Center
Pleasanton, CA 94566

STATE/Commonwealth of CA
COUNTY OF Santa Clara County

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 14 day of September, 2005.

Deanna Santos
Notary Public
Print Name: Deanna Santos
My Commission expires 8/21/08



Date: 09/16/05

S. Rangarajan
Inventor's Signature

Print full name of first inventor:	Rangarajan Suryanarayanan
Residence:	Santa Clara, CA
Citizenship:	India
Mailing Address:	6801 Koll Center 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 16th day of SEPTEMBER, 2005.



Christine Yemoto
 Notary Public
 Print Name: CHRISTINE YEMOTO
 My Commission expires 4/24/2008