RECORD

01-28-2000

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Docket No.: EMC99-07(99174)

101253207 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies) 1. Name of conveying party(ies) Paul M. Bober, Ph.D. **EMC Corporation** Internal Address: Additional name(s) of conveying party(ies) attached? [] Yes [X] No Nature of conveyance: Street Address: 171 South Street [X] Assignment [] Merger Security Agreement Change of Name City: Hopkinton State: MA ZIP: 01748 Other Execution Date: January 06, 2000 Additional name(s) & address(es) attached? [] Yes 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: January 06, 2000 A. Patent Application No.(s) B. Patent No.(s) 01/24/2000 PALLEN 00000012 09479512 04 FOE:581 Additional numbers attached? [] Yes [x] No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Total Fee (37 C.F.R. 3.41)...... \$ 40.00 Name: Barry W. Chapin, Esq. [X] Enclosed herewith. Internal Address: Authorized to charge any deficiencies or credit any CHAPIN & HUANG, L.L.C. overpayment to deposit account Authorized to be charged to deposit account Street Address: Westborough Office Park 8. Deposit account number: 1700 West Park Drive 50-0901 ZIP: 01581 City: Westborough State: MA (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 Barry W. Chapin Name of Person Signing Total number of pages including cover sheet, attachments, and document: [3]

ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, I, Paul M. Bober, residing at 4 Welch Road, Lexington, MA 02421, hereby sell and assign to EMC CORPORATION, having a principal place of business at 171 South Street, Hopkinton, Massachusetts 01748-9103, its successors and assigns, the entire right, title and interest, including the right to claim priority under the International Convention, throughout the United States, its territories and all foreign countries in and to our invention in

Methods and Apparatus for Accessing Shared Data

and the application for United States Letters Patent therefor executed by me on and such patents as may issue thereon, and all divisions, reissues and continuations thereof.

And I hereby covenant that I have full right to make such assignment, and agree for myself and my executors and administrators that I will, at the expense of said EMC CORPORATION, execute all applications for patents in foreign countries, execute all divisional, continuing, reissue and reexamination applications, make all rightful oaths, sign all lawful papers, testify in any proceeding in which said invention or any application or patent directed thereto may be involved, and generally do everything possible to aid said EMC CORPORATION, its successors and assigns, to obtain and enforce proper patent protection for said invention in the United States, its territories and all foreign countries.

And I hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent on said invention or resulting therefrom to EMC CORPORATION, its successors and assigns.

PATENT REEL: 010503 FRAME: 0158

Docket No. EMC-99-07(99174)

Page 2 of 2

Executed this Hopkinton, Massa	day of January, 2000, at achusetts. Paul M. Boby
	Paul M. Bober
Commonwealth o County of Middle	f Massachusetts) ss. sex)
Before me the foregoing instraction 2000.	personally appeared said Paul M. Bober, and acknowledged rument to be his free act and deed this 4th day of January,
SEAL	Marsha R. Ballastine Notary Public My Commission Expires:

RECORDED: 01/07/2000

MARSHA R. BALLANTYNE
Notary Public
My Commission Expires October 2, 2003

PATENT REEL: 010503 FRAME: 0159