07-02-2002 **MERCE** RECORDATION FORM COVE Form PTO-1595 k Office (Rev. 03/01) 102141229 OMB No. 0651-0027 (exp. 5/31/2002) Tab settings ⇒ ⇒ ⇒ To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) Name of conveying party(ies): Daniel Castel Name: EMC Corporation Robert A. Thibault Brian Gallagher Internal Address: Additional name(s) of conveying party(ies) attached? 
Yes 
No 3. Nature of conveyance: ☐ Merger Assignment Street Address: 35 Parkwood Drive ☐ Change of Name Security Agreement Other City: Hopkinton State: MA Zip: 01748 Execution Date: 5/31/02; 6/3/02; 6/3/02 Additional name(s) & address(es) attached? Yes X No 4. 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:\_\_\_ B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached? Yes No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$\,\\_40.00 Daly, Crowley & Mofford, LLP **X** Enclosed Internal Address: ☐ Authorized to be charged to deposit account 8. Deposit account number: Street Address: 275 Turnpike Street, Suite 101 500845 (Attach duplicate copy of this page if paying by deposit account) City: Canton State: MA Zip: 02021-2310 DO NOT USE THIS SPACE

07/01/2002 LMUELLER 00000215 10109583

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9. Statement and signature.

Richard M. Sharkansky

is a true copy of the original document.

Name of Person Signing

40.00 DP

Total number of pages including cover sheet, attachments, and documents: 5 Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

To the best of my knowledge and belief, the foregoing-information is true and correct and any attached copy

25,800

June 20, 2002

Date

## **ASSIGNMENT**

For valuable consideration, I, DANIEL CASTEL of Framingham, MA, ROBERT A. THIBAULT of Westboro, MA AND BRIAN GALLAGHER of Southboro, MA hereby assign to EMC CORPORATION, a MASSACHUSETTS corporation having a place of business at 35 Parkwood Drive, Hopkinton, MA 01748-9103 and assign (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by me, entitled DATA STORAGE SYSTEM, filed on March 28, 2002, and assigned U.S. Serial Number 10/109,583, identified as Attorney Case No. EMC2-115PUS, Client No. EMC-02-009 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; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the Assignee to apply in all countries in my name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

> PATENT REEL: 013031 FRAME: 0210

Application No. 10/109,583 Attorney Case No. EMC2-115PUS EMC Case No. EMC-02-009

IN WITNESS WHEREOF, I hereto set my hand and seal at HOPKINTON MA,
this 31 day of NAS, 2002  L.S.
State of Massachuseth: ss.
State of /hassachusette : ss.
County of Meddlesex
Before me this 31 day of May, 20_2, personally
appeared <u>DANIEL CASTEL</u> known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.  Notary Public  My Commission Expires:
Notary Public Milk Confess
My Commission Expires:
[Notary's Seal Here]

Application No. 10/109,583 Attorney Case No. EMC2-115PUS EMC Case No. EMC-02-009

IN WITNESS WHEREOF, I hereto set my hand and seal at
this 3 Rd day of June, 2002  Colert C. The Land
ROBERT A. THIBAULT
State of Maccachuseth
County of Middle City
Before me this
/ /
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.
Notary Public
My Commission Expires:
[Notary's Seal Here]  My Commission Expires:    United ANNA Mark Not Commission Expires the 12, 2002

Application No. 10/109,583 Attorney Case No. EMC2-115PUS EMC Case No. EMC-02-009

IN WITNESS WHEREOF, I hereto:	set my hand and seal at	PKINTON	MA,
this 3rd day of JUNE	,2002	·	
3 Gill			L.S.
BRIAN/GALLÁ	GHER		
State of <u>Nassachuse</u>	th		
; ss.			
County of Middleslix			
		<i>a</i> :7	
Before me this day	ofpine	, 20	_, personally
appeared BRIAN GALLAGHER know	n to me to be the person wh	ose name is sub	scribed to the
foregoing Assignment and acknowledge	ed that he executed the same	e as his free act	and leed for
the purposes therein contained.		" WALECK! NO.	1 Apr. 18
	Notary Public	<b>* * * * * * * * * *</b>	
	My Commission Expires	September 1	
[Notary's Seal Here]		2.4.	

**RECORDED: 06/25/2002**