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jc584 U.S. PTO  
09/474112

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Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies).

1. Name of conveying party(ies): Thomas Linnell Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies): EMC CORPORATION 171 South Street Hopkinton, MA 01748-9103 Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: December 28, 1999			
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: December 28, 1999 A. Patent Application No(s): 09/474112 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent No(s):			
5. Name/address of party to whom correspondence concerning document should be mailed: RICHARD M. SHARKANSKY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110-2804		6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.	
DO NOT USE THIS SPACE			
9. Statement and Signature: <i>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.</i>  Richard M. Sharkansky Reg. No. 25,800 Name of Person Signing   Signature  12/29/99 Date  Total number of pages including coversheet, attachments and document: 3			

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CERTIFICATE OF MAILING BY EXPRESS MAIL

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I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

December 29, 1999  
Date of Deposit

Signature

Samantha Bell  
Typed Name of Person Signing Certificate

PATENT  
REEL: 010496 FRAME: 0004

ASSIGNMENT

For valuable consideration, I, THOMAS LINNELL of Northborough, MA, hereby assign to EMC CORPORATION, a Massachusetts corporation having a place of business at:

171 South Street

Hopkinton, MA 01748-9103

and its successors and assigns (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 this day, entitled FIBRE CHANNEL DATA STORAGE SYSTEM FAIL-OVER MECHANISM, filed \_\_\_\_\_, and assigned U.S. Serial Number \_\_\_\_\_, and I 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.

IN WITNESS WHEREOF, I hereto set my hand and seal at HOPKINTON,  
this 28<sup>TH</sup> day of DECEMBER of, 19 99  
Thomas Linnell L.S.  
THOMAS LINNELL

Commonwealth of Massachusetts:

: ss.

County of Middlesex :

Before me this 28<sup>th</sup> day of December, 19 99, personally  
appeared THOMAS LINNELL 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  
the purposes therein contained.

Marsha R. Bellantyne  
Notary Public

My Commission Expires:

[Notary's Seal Here]

MARSHA R. BELLANTYNE  
Notary Public  
Commission Expires October 1, 2001

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