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Substitute Form PTO-1595  
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SHEET

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jc520 U.S. PTO  
09/525648  
03/15/00

Assistant Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): Oren Mano and Paul C. Wilson 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  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: March 14, 2000	
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: March 14, 2000 A. Patent Application No(s): B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed:  GARY A. WALPERT, Reg. No. 26,098 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.
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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>  Gary A. Walpert Reg. No. 26,098 Name of Person Signing  Signature: <i>[Signature]</i> Date: <i>3/15/2000</i>	
Total number of pages including coversheet, attachments and document: 4	

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Date of Deposit March 15, 2000

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PATENT  
REEL: 010670 FRAME: 0853

## ASSIGNMENT

For valuable consideration, we, OREN MANO of Framingham, Massachusetts, and PAUL C. WILSON of Mendon, Massachusetts, hereby assign to EMC Corporation, a Massachusetts corporation having a place of business at: 171 South Street, Hopkinton, MA 01748, 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 us this day, entitled METHOD AND APPARATUS CONNECTING BETWEEN A FIBRE CHANNEL AND A CACHE MEMORY; 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 we authorize the Assignee to apply in all countries in our 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 we agree for ourselves and our 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 MA,  
this 14 day March of, 2000.  
Oren Mano .MN/MA L.S.  
First Middle Initial Last OREN MANO

State of Massachusetts  
: SS.  
County of Middlesex :

Before me this 14<sup>th</sup> day of March, 2000, personally appeared  
OREN MANO 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.

Luciana P. Nugent  
Notary Public  
My Commission Expires: April 7, 2006

[Notary's Seal Here]

IN WITNESS WHEREOF, I hereto set my hand and seal at Hopkinton,  
this 14<sup>th</sup> day March of, 2000.  
Paul C Wilson Paul C. Wilson L.S.  
First Middle Initial Last PAUL C. WILSON

State of Massachusetts  
: SS.  
County of Middlesex :

Before me this 14<sup>th</sup> day of March, 2000, personally appeared PAUL C. WILSON 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.

Luciana P. Nugent  
Notary Public  
My Commission Expires: April 7, 2006

[Notary's Seal Here]

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