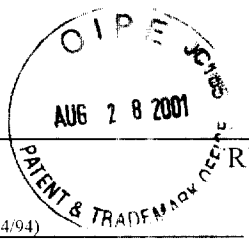


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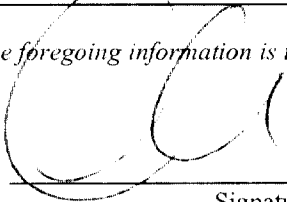
Form PTO-1595 (Rev. 5/39) OMB No. 0651-0011 (exp. 4/94)	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Docket No.: EMS-02101
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1. Name of conveying party(ies): Haim Kopylovitz Robert S. Mason, Jr. <i>8-28-01</i> Adi Ofer Additional name(s) of conveying party(ies) attached? Yes ___ No <input checked="" type="checkbox"/> Nature of conveyance: <input checked="" type="checkbox"/> Assignment () Merger <input type="checkbox"/> Security Agreement () Change of Name <input type="checkbox"/> Other: Execution Date: <u>July 12, 2001; July 13, 2001; July 12, 2001</u>	2. Name and address of receiving party(ies) Name: <u>EMC Corporation</u> Internal Address: _____ _____ Street Address: <u>35 Parkwood Drive</u> City: <u>Hopkinton</u> State: <u>MA</u> Zip: <u>01748</u> Additional name(s) & address(es) attached? Yes ___ No <input checked="" type="checkbox"/>
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4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution date of the applications is:	
A. Patent Application No.(s): <u>09/893,295</u>	B. Patent No.(s)
Additional numbers attached? Yes ___ No <input checked="" type="checkbox"/>	

5. Name and address of party to whom correspondence concerning document should be mailed: 6. Name: <u>Patent Group</u> Internal Address: <u>Hutchins, Wheeler & Dittmar</u> Street Address: <u>101 Federal Street</u> City: <u>Boston</u> State: <u>MA</u> ZIP: <u>02110</u>	6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41).....\$ <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: _____ (Attached duplicate copy of this page if paying by deposit account)
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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>		
<u>Anne E. Saturnelli; 41,290</u> Name of Person Signing	 Signature	<u>August 24, 2001</u> Date
Total number of pages including cover sheet, attachments, and document: <u>4</u>		

Mail documents to be recorded with required covered sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

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ASSIGNMENT

WHEREAS, WE, **HAIM KOPYLOVITZ** of Brookline, Massachusetts; **ROBERT S. MASON, JR.** of Uxbridge, Massachusetts; and **ADI OFER** of Wellesley, Massachusetts, have developed certain inventions described in a patent application titled:

METHOD AND APPARATUS FOR MULTI-SEQUENTIAL DATA OPERATIONS

- executed on even date herewith;
 executed on _____;
 now U.S. Application No. 09/893295; filed June 27, 2001;

and having full right to convey their entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and


WHEREAS, EMC Corporation ("Assignee"), a corporation of the Commonwealth of Massachusetts, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said Assignee, its successors and assigns, their entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in the United States and/or any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agree, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have hereunto set their hands and seals on the date after their signatures.

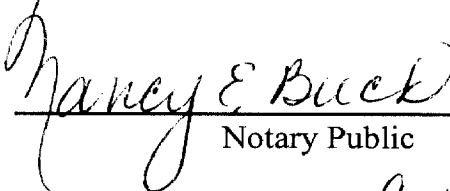
ASSIGNMENT (Cont.)

(L.S.) 
HAIM KOPYLOVITZ

7-12-01
(date)

Commonwealth of Massachusetts)
County of)

On this 13 day of July, 2001 before me personally appeared, to me personally **HAIM KOPYLOVITZ**, known, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

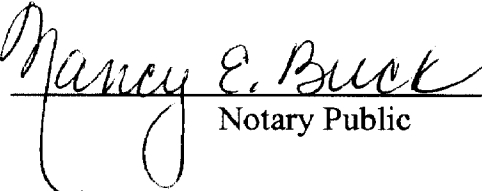

Notary Public
My commission expires 9-4-2003

(L.S.) 
ROBERT S. MASON, JR.

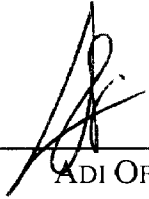
7/13/01
(date)

Commonwealth of Massachusetts)
County of)

On this 13 day of July, 2001 before me personally appeared, to me personally **ROBERT S. MASON, JR.**, known, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.


Notary Public
My commission expires 9-4-2003

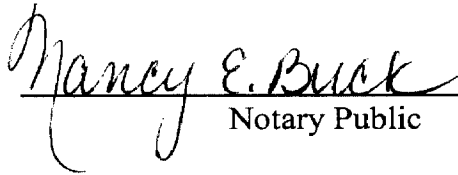
ASSIGNMENT (Cont.)

(L.S.) 
ADI OFER

July 12, 2001
(date)

Commonwealth of Massachusetts)
County of)

On this 12 day of July 2001 before me personally appeared, to me personally ADI OFER, known, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.


Notary Public

My commission expires 9-4-2003