
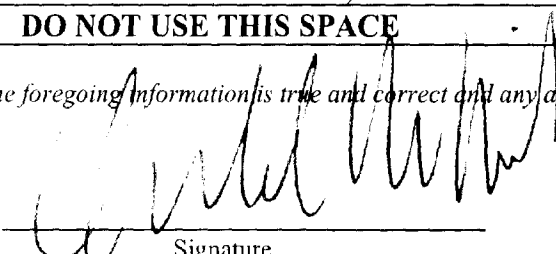
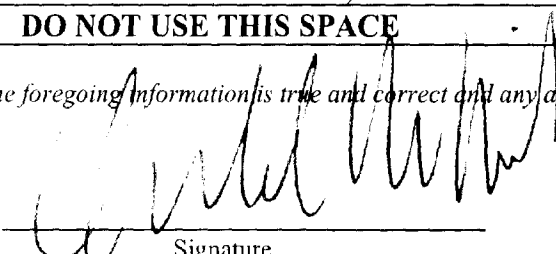
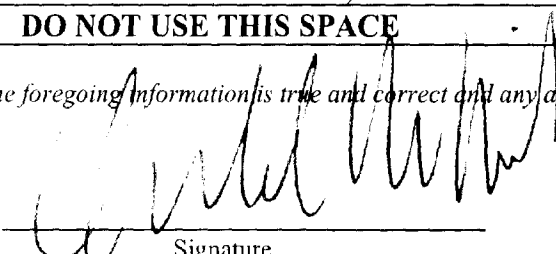


Form PTO-1595 (Rev. 5/39) OMB No. 0651-0011 (exp. 4/94)		08-29-2001  101826835	ET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office Docket No.: EMS-01701				
<p>1. Name of conveying party(ies): Peter KAMVYSSELIS; Dan ARNON; David MEIRI; and Mark J. HALSTEAD Additional name(s) of conveying party(ies) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Nature of conveyance: (X) Assignment () Merger () Security Agreement () Change of Name () Other: Execution Date: 07/30/2001; 07/23/2001; 07/19/2001; and 07/24/2001 respectively.</p>		<p>2. Name and address of receiving party(ies) Name: <u>EMC Corporation</u> Internal Address: _____ _____ _____ Street Address: <u>35 Parkwood Drive</u> <u>Hopkinton, MA 01748</u> Additional name(s) & address(es) attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>					
<p>3. Application number(s) or patent number(s): 09/891,143 If this document is being filed together with a new application, the execution date of the applications is:</p> <table border="1"><tr><td>A. Patent Application No.(s)</td><td>B. Patent No.(s)</td></tr><tr><td colspan="2">Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td></tr></table>				A. Patent Application No.(s)	B. Patent No.(s)	Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
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Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>							
<p>4. Name and address of party to whom correspondence concerning document should be mailed: 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></p>		<p>5. Total number of applications and patents involved: <u>1</u> 6. Total fee (37 CFR 3.41).....\$ <u>\$40.00</u> (X) Enclosed ____ Authorized to be charged to deposit account 7. Deposit account number: _____ (Attached duplicate copy of this page if paying by deposit account)</p>					
<p style="text-align: center;">DO NOT USE THIS SPACE</p>							
<p>8. 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></p> <table border="0" style="width: 100%;"><tr><td style="width: 30%;"><u>Donald W. Muirhead: 33,978</u> Name of Person Signing</td><td style="width: 40%; text-align: center;"> Signature</td><td style="width: 30%; text-align: right;"><u>August 23, 2001</u> Date</td></tr></table> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and document: <u>2</u></p> <p style="text-align: center; font-size: small;">Mail documents to be recorded with required covered sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231</p>				<u>Donald W. Muirhead: 33,978</u> Name of Person Signing	 Signature	<u>August 23, 2001</u> Date	
<u>Donald W. Muirhead: 33,978</u> Name of Person Signing	 Signature	<u>August 23, 2001</u> Date					

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ASSIGNMENT

WHEREAS, WE, Peter Kamvysselis, Dan Arnon, David Meiri and Mark J. Halstead of Boston, Massachusetts, Boston, Massachusetts, Boston, Massachusetts, and Waltham, Massachusetts, respectively, have developed certain inventions described in a patent application titled: MULTIPLE JOBS PER DEVICE ON RA filed on June 25, 2001 as U.S. Application No. 09/891143; and have full right to convey the 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"), having a principal place of business at 35 Parkwood Drive, Hopkinton, Massachusetts 01748, 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 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.

Peter Kamvysselis
 Peter Kamvysselis
 Commonwealth of Massachusetts

11/20/01
 (date)
 County of Middlesex

On this 30 day of July, 2001 before me personally appeared Peter Kamvysselis 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.

Nancy E. Buck
 Notary Public

My Commission Expires: May 12, 2006

Dan Arnon
 Dan Arnon
 Commonwealth of Massachusetts

7/23/2001
 (date)
 County of Middlesex

On this 23 day of July, 2001 before me personally appeared Dan Arnon 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.

Nancy E. Buck
 Notary Public

My Commission Expires: 9-4-2003

D. Meiri
 David Meiri
 Commonwealth of Massachusetts

7/19/2001
 (date)
 County of Middlesex

On this 19 day of July, 2001 before me personally appeared David Meiri 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.

Nancy E. Buck
 Notary Public

My Commission Expires: 9-4-2003

Mark J. Halstead
 Mark J. Halstead
 Commonwealth of Massachusetts

7/24/2001
 (date)
 County of Middlesex

On this 24 day of July, 2001 before me personally appeared Mark J. Halstead 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.

Nancy E. Buck
 Notary Public

My Commission Expires: 9-4-2003