



RE		11-25-2002		R SHEET	
11/19/02				102292558	
To the Honorable Commissione		tached original documents or copy thereof.			
1. Name of conveying party(ies) Joel Tupper		2. Name and address of receiving party(ies) Name: <u>EMC Corporation</u> Internal Address: _____ _____ _____ Street Address: <u>176 South Street</u> _____ City: <u>Hopkinton</u> State: <u>MA</u> ZIP: <u>01748</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Additional name(s) of conveying party(ies) 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: <u>August 24, 2001</u>		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: _____ A. Patent Application No.(s) <u>10/264,972</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>David E. Huang, Esq.</u> Internal Address: _____ <u>CHAPIN &amp; HUANG, L.L.C.</u> _____ Street Address: <u>Westborough Office Park</u> <u>1700 West Park Drive</u> City: <u>Westborough</u> State: <u>MA</u> ZIP: <u>01581</u>		6. Total number of applications and patents involved: <u>3</u> 7. Total Fee (37 C.F.R. 3.41)..... \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed with application filing fee <input checked="" type="checkbox"/> Authorized to charge any deficiencies or credit any overpayment to deposit account <input type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: <u>50-0901</u> (Attach duplicate copy of this page if paying by deposit account)			
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> <div style="display: flex; justify-content: space-between; align-items: flex-end; margin-top: 20px;"> <div style="text-align: center;"> <u>David E. Huang</u>            Name of Person Signing         </div> <div style="text-align: center;">             Signature         </div> <div style="text-align: center;"> <u>November 13, 2002</u>            Date         </div> </div>					
Total number of pages including cover sheet, attachments, and document: <u>[3]</u>					

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**ASSIGNMENT**

**WHEREAS** I, Joel Tupper have invented a certain improvement  
**TECHNIQUES FOR ACCESSING A CIRCUIT BOARD UTILIZING AN IMPROVED  
ADAPTOR** described in an application for Letters Patent of the United States, the  
specification of which:

☒ is being executed on even date herewith and is about to be filed in the  
United States Patent Office;

☐ was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_;

☐ was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS** EMC Corporation (hereinafter "ASSIGNEE"), a corporation  
organized and existing under the laws of the Commonwealth of Massachusetts and  
having a usual place of business at 35 Parkwood Drive, Hopkinton, Massachusetts  
01748 desires to acquire an interest therein in accordance with agreements duly  
entered into with me;

**NOW, THEREFORE**, to all whom it may concern, be it known that for and in  
consideration of said agreements and of other good and valuable consideration, the  
receipt of which is hereby acknowledged, I have sold, assigned and transferred and  
by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its  
successors, assigns and legal representatives, the entire right, title and interest in  
and throughout the United States of America, its territories and all foreign countries,  
in and to said invention as described in said application, together with the entire right,  
title and interest in and to said application and such Letters Patent as may issue  
thereon; said invention, application and Letters Patent to be held and enjoyed by said  
ASSIGNEE for its own use and behalf and for its successors, assigns and legal  
representatives, to the full end of the term for which said Letters Patent may be  
granted as fully and entirely as the same would have been held by me had this  
assignment and sale not been made; I hereby convey all rights arising under or  
pursuant to any and all international agreements, treaties or laws relating to the  
protection of industrial property by filing any such applications for Letters Patent. I  
hereby acknowledge that this assignment, being of the entire right, title and interest  
in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain  
from competent authorities in all countries of the world any and all Letters Patent by  
attorneys and agents of ASSIGNEE's selection and the right to procure the grant of  
all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right,  
title and interest therein;

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**AND**, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

**AND**, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

**IN TESTIMONY WHEREOF**, I have hereunto set my hand and affixed my seal the date set forth below.

Inventor:

Joel Tupper  
Joel Tupper

State/Commonwealth

of MA

County of Hillsborough

Then personally appeared before me the above-named Joel Tupper and acknowledged that he/she executed the foregoing instrument as his/her free act and deed this 24 day of August, 2001.

(SEAL)

Jean E. Aspinwall Notary Public  
Jean E. Aspinwall (print name)  
My Commission expires 11/27/05