

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Steven D. Sardella</td> <td>09/28/2007</td> </tr> <tr> <td>Stephen Strickland</td> <td>09/28/2007</td> </tr> <tr> <td>James C. Tryhubczak</td> <td>09/28/2007</td> </tr> <tr> <td>John F. Phinney</td> <td>09/28/2007</td> </tr> </tbody> </table>		Name	Execution Date	Steven D. Sardella	09/28/2007	Stephen Strickland	09/28/2007	James C. Tryhubczak	09/28/2007	John F. Phinney	09/28/2007
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James C. Tryhubczak	09/28/2007										
John F. Phinney	09/28/2007										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	EMC Corporation										
<b>Street Address:</b>	176 South Street										
<b>City:</b>	Hopkinton										
<b>State/Country:</b>	MASSACHUSETTS										
<b>Postal Code:</b>	01748										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11864140</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11864140						
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Application Number:	11864140										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(508)303-0005										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	508-303-2003										
<b>Email:</b>	mike@grpatent.com										
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<b>Address Line 1:</b>	5 Mt. Royal Ave., Mt. Royal Office Park										
<b>Address Line 4:</b>	Marlborough, MASSACHUSETTS 01752										
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-073 (EMC-07-243)										
<b>NAME OF SUBMITTER:</b>	Michael A. Rodriguez										
<p>Total Attachments: 6          source=EMC-073_EMC-07-243_Executed_Assignment#page1.tif</p>											

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## ASSIGNMENT

WHEREAS, we, **Steven D. Sardella, Stephen Strickland, James C. Tryhubczak, and John F. Phinney** have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled

### INTERFACE FOR ESTABLISHING OPERABILITY BETWEEN A PROCESSOR MODULE AND INPUT/OUTPUT (I/O) MODULES

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 September 28, 2007 as U.S. Application No. 11/864,140;
- 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 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

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, we 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 us had this assignment and sale not been made; we hereby convey to ASSIGNEE 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. We 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;

**AND**, we hereby further agree for ourselves and our 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**, we 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**, we have hereunto set our hands and affixed our seals as set forth below:

Date: 9/28/07

Steven D. Sardella  
Inventor's Signature

Print full name of first inventor: **Steven D. Sardella**  
Residence: 10 Technology Dr., Suite 40, #123, Hudson, MA 01749. USA  
Citizenship: USA  
Mailing Address: 10 Technology Dr., Suite 40, #123, Hudson, MA 01749. USA

STATE/Commonwealth of MASSACHUSETTS

COUNTY OF Worcester

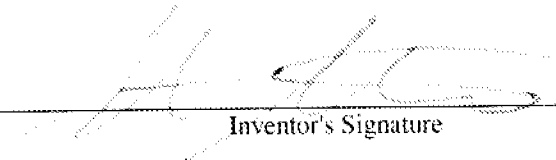
On this 28<sup>th</sup> day of September, 2007, then personally appeared before me the above-named, Steven D. Sardella, known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nancy J. Ferrister  
Notary Public

Print Name: Nancy J. Ferrister  
My Commission expires 01/07/2008

Date:

9/20/07

  
\_\_\_\_\_  
Inventor's Signature

Print full name of second inventor:

**Stephen Strickland**

Residence:

82 Prospect St., Foxboro, MA 02035, USA

Citizenship:

USA

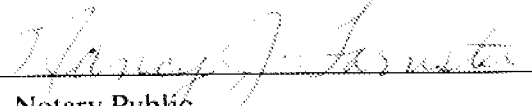
Mailing Address:

82 Prospect St., Foxboro, MA 02035, USA

STATE/Commonwealth of MASSACHUSETTS

COUNTY OF Worcester

On this 25<sup>th</sup> day of September, 2007, then personally appeared before me the above-named, Stephen Strickland, known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

  
\_\_\_\_\_  
Notary Public

Print Name: Nancy J. Forster

My Commission expires 07/07/2008

Date: 9/28/07

  
\_\_\_\_\_  
Inventor's Signature

Print full name of third inventor:

**James C. Tryhubczak**

Residence:

58 Pine Swamp Rd., Cumberland, RI 02864

Citizenship:

USA

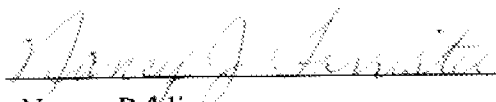
Mailing Address:

58 Pine Swamp Rd., Cumberland, RI 02864

STATE/Commonwealth of MASSACHUSETTS

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On this 28<sup>th</sup> day of September, 2007, then personally appeared before me the above-named, James C. Tryhubczak, known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

  
\_\_\_\_\_  
Notary Public

Print Name: Nancy J. Forrester

My Commission expires 6/30/07

Date: 9/22/07

John F. Phinney  
Inventor's Signature

Print full name of fourth inventor: **John F. Phinney**  
Residence: 13 Lanes End, Westford, MA 01886  
Citizenship: USA  
Mailing Address: 13 Lanes End, Westford, MA 01886

STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF Worcester

On this 22<sup>nd</sup> day of September, 2007, then personally appeared before me the above-named, John F. Phinney, known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Nancy J. Forrester  
Notary Public

Print Name: Nancy J. Forrester  
My Commission expires 03/07/2008