

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<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>Nhut Tran</td> <td>06/26/2007</td> </tr> <tr> <td>Michael Sgrosso</td> <td>06/26/2007</td> </tr> <tr> <td>William F Baxter III</td> <td>06/26/2007</td> </tr> <tr> <td>James M Guyer</td> <td>06/26/2007</td> </tr> </tbody> </table>		Name	Execution Date	Nhut Tran	06/26/2007	Michael Sgrosso	06/26/2007	William F Baxter III	06/26/2007	James M Guyer	06/26/2007
Name	Execution Date										
Nhut Tran	06/26/2007										
Michael Sgrosso	06/26/2007										
William F Baxter III	06/26/2007										
James M Guyer	06/26/2007										
<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>11769737</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11769737						
Property Type	Number										
Application Number:	11769737										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(508)477-7234										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	508 477 4311										
<b>Email:</b>	sharkansky@comcast.net										
<b>Correspondent Name:</b>	Richard Sharkansky										
<b>Address Line 1:</b>	P. O. Box 557										
<b>Address Line 4:</b>	Mashpee, MASSACHUSETTS 02649										
<b>ATTORNEY DOCKET NUMBER:</b>	EMC2-217PUS										
<b>NAME OF SUBMITTER:</b>	Richard M. Sharkanky										
Total Attachments: 5 source=assign#page1.tif											

**CH \$40.00 11769737**

source=assign#page2.tif  
source=assign#page3.tif  
source=assign#page4.tif  
source=assign#page5.tif

**ASSIGNMENT**

**WHEREAS**, we, Nhut Tran, Michael Sgrosso, William F. Baxter III, and James M. Guyer 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 DATA STORAGE SYSTEM HAVING OPERATION CODE IN ADDRESS PORTION FOR ATOMIC OPERATIONS, 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 U.S. 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 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: 6/26/2007

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

Print full name of first inventor:

Nhut Tran,

Residence:

Natick, MA 01760

Citizenship:

United States of America

Mailing Address:

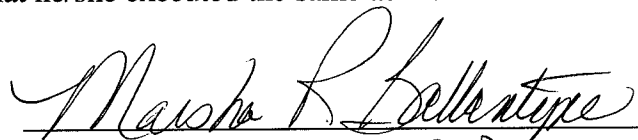
2 Running Brook Cir  
Natick, MA 01760

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 26<sup>th</sup> day of June, 2007, then personally appeared before me the above-named Nhut Tran 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: Marsha R. Ballantyne

My Commission expires 9/1/2010

Date: 6-26-07

Michael Sgrosso  
Inventor's Signature

Print full name of second inventor:

Michael Sgrosso

Residence:

Franklin, MA 02038

Citizenship:

United States of America

Mailing Address:

132 Long Hill Road  
Franklin, MA 02038

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 26<sup>th</sup> day of June, 2007, then personally appeared before me the above-named Michael Sgrosso 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.

Marsha R. Ballantyne  
Notary Public

Print Name: Marsha R. Ballantyne

My Commission expires 9/17/2010

Date: June 26, 2007

William F. Baxter III  
Inventor's Signature

Print full name of third inventor: **William F. Baxter III**  
Residence: Holliston, Ma. 01746  
Citizenship: United States of America  
Mailing Address: 273 Hollis St.  
Holliston, Ma. 01746

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 26<sup>th</sup> day of June, 2007, then personally appeared before me the above-named William F. Baxter III known to me through satisfactory evidence of identification,  employee identification card;  driver's license;  (other)

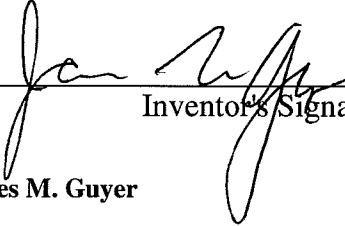
\_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Marsha R. Ballantyne  
Notary Public

Print Name: Marsha R. Ballantyne

My Commission expires 9/17/2010

Date: 6/26/07

  
Inventor's Signature

Print full name of fourth inventor:

James M. Guyer

Residence:

Northborough, MA 01532

Citizenship:

United States of America

Mailing Address:

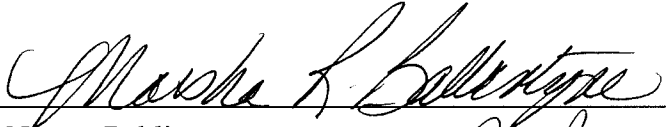
40 Woodstone Road  
Northborough, MA 01532

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 26<sup>th</sup> day of June, 2007, then personally appeared before me the above-named James Guyer known to me through satisfactory evidence of identification [] employee identification card; [] driver's license; [] (other)

James Guyer 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: Marsha R. Ballentyne

My Commission expires 9/1/10 2010