

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Robert F Wambach Jr.	03/19/2007
F. William French	03/19/2007
Robert MacArthur	03/19/2007
RECEIVING PARTY DATA	
Name:	EMC Corporation
Street Address:	176 South Street
City:	Hopkinton
State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11690153
CORRESPONDENCE DATA	
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
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Address Line 1:	P. O. Box 557
Address Line 4:	Mashpee, MASSACHUSETTS 02649
ATTORNEY DOCKET NUMBER:	EMC2-216PUS (EMC-07-022)
NAME OF SUBMITTER:	Richard M. Sharkanky
<p>Total Attachments: 6</p> <p>source=EMC-07-022 Assignment#page1.tif</p> <p>source=EMC-07-022 Assignment#page2.tif</p>	

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**PATENT**  
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## ASSIGNMENT

**WHEREAS**, we, Robert F. Wambach, Jr., F. William French, Robert MacArthur and Robert Guenther 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 **METHOD FOR CALCULATING POWER FOR DATA STORAGE SYSTEMS**

, 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

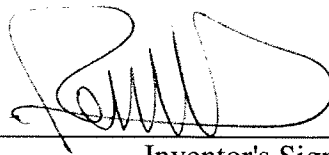
successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony 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:

3/19/2007



Inventor's Signature

Print full name of first inventor:

**Robert F. Wambach**

Residence:

172 Westfield Street

Westwood, MA

Citizenship:

United States of America

Mailing Address:

172 Westfield Street

Westwood, MA 02090

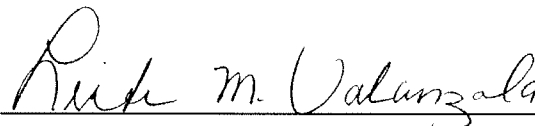
STATE/Commonwealth of

Massachusetts

COUNTY OF

Middlesex

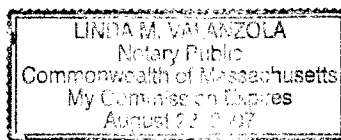
On this 19 day of March, 2007, then personally appeared before me the above-named \_\_\_\_\_ known to me through satisfactory evidence of identification [☒] employee identification card; [☐] driver's license; [☐] (other) Robert F. Wambach to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

Print Name: Linda M. Valanzola

My Commission expires 8/23/07



Date: 3/19/2007

F. W. French  
Inventor's Signature

Print full name of second inventor:

**F. William French**

Residence:

8 Mettacomett Path

Harvard, MA

Citizenship:

United States of America

Mailing Address:

~~172 Westfield Street~~ 8 METTACOMETT PATH  
Westwood, MA 01451  
HARVARD, F.W.F.

STATE/Commonwealth of  
COUNTY OF

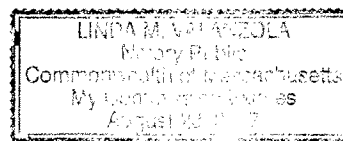
Massachusetts  
Middlesex

On this 19 day of March, 2007, then personally appeared before me the above-named \_\_\_\_\_ known to me through satisfactory evidence of identification [ ] employee identification card; [ ☒ ] driver's license; [ ] (other) F. William French 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.

Linda M. Valanzola  
Notary Public

Print Name: Linda M Valanzola

My Commission expires 8/23/04



Date:

3/19/2007

Robert MacArthur  
Inventor's Signature

Print full name of third inventor:

**Robert MacArthur**

Residence:

29 Independence Drive

Leominster, MA

Citizenship:

United States of America

Mailing Address:

29 Independence Drive

Leominster, MA 01453

STATE/Commonwealth of

Massachusetts

COUNTY OF

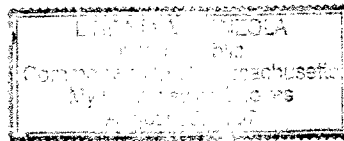
Middlesex

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Linda M. Valanzola  
Notary Public

Print Name: Linda M. Valanzola

My Commission expires 8/23/07



Date: 3/19/07

Robert Guenther  
Inventor's Signature

Print full name of fourth inventor:

**Robert Guenther**

Residence:

72 West Street

Pepperell, MA

Citizenship:

United States of America

Mailing Address:

72 West Street

Pepperell, MA 01463

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 19 day of March, 2007, then personally appeared before me the above-named \_\_\_\_\_ known to me through satisfactory evidence of identification [ ] employee identification card; [✓] driver's license; [ ] (other) Robert Guenther 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.

Linda M. Valanzola  
Notary Public

Print Name: Linda M. Valanzola

My Commission expires 8/23/07

