

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																				
NATURE OF CONVEYANCE:	ASSIGNMENT																				
CONVEYING PARTY DATA																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr><td>Fernando Oliveira</td><td>06/23/2004</td></tr> <tr><td>Bradford B. Glade</td><td>06/23/2004</td></tr> <tr><td>Jeffrey A. Brown</td><td>07/22/2004</td></tr> <tr><td>Peter J. McCann</td><td>07/22/2004</td></tr> <tr><td>David Harvey</td><td>07/23/2004</td></tr> <tr><td>James A. Wentworth III</td><td>06/23/2004</td></tr> <tr><td>Walter M. Caritj</td><td>06/23/2004</td></tr> <tr><td>Matthew Waxman</td><td>06/25/2004</td></tr> <tr><td>Lee W. Vantine</td><td>06/23/2004</td></tr> </tbody> </table>		Name	Execution Date	Fernando Oliveira	06/23/2004	Bradford B. Glade	06/23/2004	Jeffrey A. Brown	07/22/2004	Peter J. McCann	07/22/2004	David Harvey	07/23/2004	James A. Wentworth III	06/23/2004	Walter M. Caritj	06/23/2004	Matthew Waxman	06/25/2004	Lee W. Vantine	06/23/2004
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CORRESPONDENCE DATA																					
<p>Fax Number: (508)293-7189</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 508-293-7450</p> <p>Email: docketing@emc.com</p> <p>Correspondent Name: EMC CORPORATION</p> <p>Address Line 1: 176 SOUTH STREET</p> <p>Address Line 4: HOPKINTON, MASSACHUSETTS 01748</p>																					

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PATENT
REEL: 026546 FRAME: 0752

ATTORNEY DOCKET NUMBER:	EMC-02-119CIP1CON1CON2
NAME OF SUBMITTER:	Joseph D'Angelo
<p>Total Attachments: 10</p> <p>source=EMC-02-119cp1cn1cn2ExecutedAssignment#page1.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page2.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page3.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page4.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page5.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page6.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page7.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page8.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page9.tif source=EMC-02-119cp1cn1cn2ExecutedAssignment#page10.tif</p>	

ASSIGNMENT

WHEREAS, we, Fernando Oliveira, Bradford B. Glade, Jeffrey A. Brown, Peter J. McCann, David Harvey, James A. Wentworth, III, Walter M. Cariti, Matthew Waxman and Lee W. VanTine 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 SYSTEM AND METHOD FOR MANAGING STORAGE NETWORKS AND PROVIDING VIRTUALIZATION OF RESOURCES IN SUCH A NETWORK, 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 March 26, 2004 as U.S. Application No. 10/810,988;

☐ 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:

6/23/04

Fernando Oliveira
Inventor's Signature

Print full name of first inventor:

Fernando Oliveira

Residence:

72 River Ridge, Sudbury, MA 01776

Citizenship:

USA

Mailing Address:

Same as above

STATE/Commonwealth of
COUNTY OF

Massachusetts
Norfolk

On this 23rd day of June, 2004, then personally appeared before me the above-named Fernando Oliveira known to me through satisfactory evidence of identification [☒] employee identification card; [☐] driver's license; [☐] (other) Fernando Oliveira 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. DeLuca
Notary Public

Print Name: Linda M. DeLuca

My Commission expires 2/18/2011

Date: 6/23/04

Bradford B. Glade
Inventor's Signature

Print full name of second inventor: **Bradford B. Glade**
Residence: 109 East Bare Hill Road, Harvard, MA 01451
Citizenship: USA
Mailing Address: Same as above

STATE/COMMONWEALTH OF Massachusetts
COUNTY OF Norfolk

On this 23rd day of June, 2004, then personally appeared before me the
above-named Bradford B. Glade known to me through satisfactory evidence of identification
☒ employee identification card; ☐ driver's license; ☐ (other)
Bradford B. Glade 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. DeLuca
Notary Public

Print Name: Linda M. DeLuca
My Commission expires 2/18/2011

Date: 7/22/04

Jeffrey A. Brown
Inventor's Signature

Print full name of third inventor:

Jeffrey A. Brown

Residence:

3 Birch Brush Road, Shrewsbury, MA 01545

Citizenship:

USA

Mailing Address:

Same as above

STATE/COMMONWEALTH OF
COUNTY OF

Massachusetts
Worcester

On this 22nd day of July, 2004, then personally appeared before me the
above-named Jeffrey A. Brown 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. Forrister
Notary Public

Print Name: Nancy J. Forrister

My Commission expires 03/07/2008

NANCY J. FORRISTER
Notary Public
My Commission Expires
March 7, 2008

Date: 7/22/04

Peter J. McCann
Inventor's Signature

Print full name of fourth inventor: **Peter J. McCann**
Residence: 590 Valley Road, Mafson, NH 03048
Citizenship: USA
Mailing Address: Same as above

STATE/Commonwealth of Massachusetts
COUNTY OF Worcester

On this 22nd day of July, 2004, then personally appeared before me the above-named Peter J. McCann known to me through satisfactory evidence of identification [] employee identification card; [x] 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.

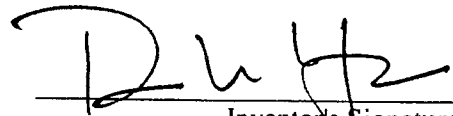
Nancy J. Forrister
Notary Public

Print Name: Nancy J. Forrister

My Commission expires 03/07/2008

NANCY J. FORRISTER
Notary Public
My Commission Expires
March 7, 2008

Date: 7-23-2004


Inventor's Signature

Print full name of fifth inventor:

David Harvey

Residence:

36 Pine Crest Road, Newton, MA 02459

Citizenship:

USA

Mailing Address:

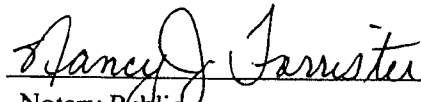
Same as above

STATE/Commonwealth of
COUNTY OF

Massachusetts
Worcester

On this 23rd day of July, 2004, then personally appeared before me the above-named David Harvey 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

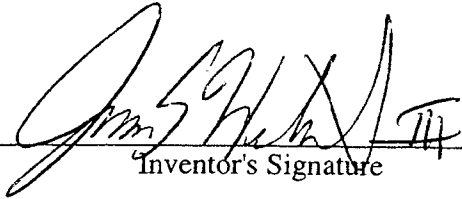
Print Name: Nancy J. Forrister

My Commission expires 03/07/2008

NANCY J. FORRISTER
Notary Public
My Commission Expires
March 7, 2008

Date:

6/23/2014


Inventor's Signature

Print full name of sixth inventor:

James A. Wentworth, III

Residence:

10 Leblanc Road, Shrewsbury, MA 01545

Citizenship:

USA

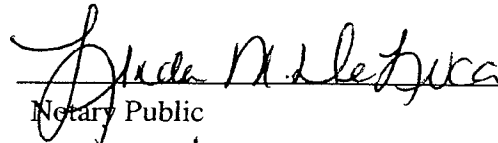
Mailing Address:

Same as above

STATE/COMMONWEALTH OF
COUNTY OF

Massachusetts
Norfolk

On this 23rd day of June, 2004, then personally appeared before me the above-named James A. Wentworth, III known to me through satisfactory evidence of identification ☒ employee identification card; ☐ driver's license; ☐ (other) James A. Wentworth III 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. DeLuca

My Commission expires 2/18/2011

Date: 6/23/2004

Walter M. Caritj
Inventor's Signature

Print full name of seventh inventor:

Walter M. Caritj

Residence:

32 R Hill Road, Medway, MA 02053

Citizenship:

USA

Mailing Address:

Same as above

STATE/Commonwealth of
COUNTY OF

Massachusetts
Norfolk

On this 23rd day of June, 2004, then personally appeared before me the
above-named Walter M. Caritj known to me through satisfactory evidence of identification [☒]
employee identification card; [☐] driver's license; [☐] (other)
Walter M. Caritj 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. DeLuca
Notary Public

Print Name: Linda M. DeLuca

My Commission expires 2 / 18 / 2011

Date: 6/25/04

[Signature]
Inventor's Signature

Print full name of eighth inventor:

Matthew Waxman

Residence:

1405 Beacon Street, Apt. 1, Brookline, MA 02446

Citizenship:

Canada

Mailing Address:

Same as above

STATE/Commonwealth of Massachusetts
COUNTY OF Norfolk

On this 25th day of June, 2004, then personally appeared before me the above-named Matthew Waxman known to me through satisfactory evidence of identification [☒] employee identification card; [☐] driver's license; [☐] (other) Matthew Waxman 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.

[Signature]
Notary Public

Print Name: Linda M. DeLuca

My Commission expires 6/18/2011

Date: 6-23-2004

Lee W. VanTine
Inventor's Signature

Print full name of ninth inventor:

Lee W. VanTine

Residence:

7 Tower Hill Road, Oxford, MA 01540

Citizenship:

USA

Mailing Address:

Same as above

STATE/COMMONWEALTH OF Massachusetts
COUNTY OF Norfolk

On this 23rd day of June, 2004, then personally appeared before me the
above-named Lee W. VanTine known to me through satisfactory evidence of identification
☒ employee identification card; ☐ driver's license; ☐ (other)
Lee W. VanTine 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. DeLuca
Notary Public

Print Name: Linda M. DeLuca

My Commission expires 2 / 18 / 2011