

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
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<table border="1"> <tr> <td>Name:</td> <td>EMC Corporation</td> </tr> <tr> <td>Street Address:</td> <td>176 South Street</td> </tr> <tr> <td>City:</td> <td>Hopkinton</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01748</td> </tr> </table>		Name:	EMC Corporation	Street Address:	176 South Street	City:	Hopkinton	State/Country:	MASSACHUSETTS	Postal Code:	01748						
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CORRESPONDENCE DATA																	
<p>Fax Number: 5167599512  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 516-759-2722        Email: nyoffice@rml-law.com        Correspondent Name: Joseph B. Ryan        Address Line 1: 90 Forest Avenue        Address Line 2: Ryan, Mason &amp; Lewis, LLP        Address Line 4: Locust Valley, NEW YORK 11560</p>																	
ATTORNEY DOCKET NUMBER:	EMC-12-569																

OP \$40.00 13632095

NAME OF SUBMITTER:

Joseph B. Ryan

**Total Attachments: 8**

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**PATENT**

**REEL: 029192 FRAME: 0104**

ASSIGNMENT

WHEREAS, we, Edward Brennan, Aaron T. Smith, Keith Meyer, Adnan Sahin, Mark Nadler, John O. Williams, II and Jesse D. Keefe, 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 **CENTRALIZED STORAGE PROVISIONING AND MANAGEMENT ACROSS MULTIPLE SERVICE PROVIDERS**, 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 30, 2012 as U.S. Application No. 13/632,095;
- ☐ 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:

10-22-2012

Edward Brennan  
Inventor's Signature

Print full name of first inventor:

Edward Brennan

Residence:

Scituate, Massachusetts

Citizenship:

United States of America

Mailing Address:

114 Clapp Road

Scituate, Massachusetts 02066

STATE/Commonwealth of  
COUNTY OF

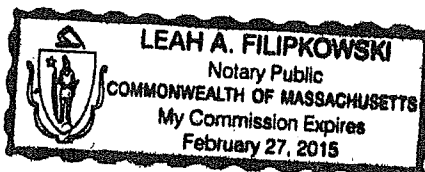
Massachusetts  
Middlesex

On this 22<sup>nd</sup> day of October, 2012, then personally appeared before me the above-named Edward Brennan 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.

Leah A. Filipkowski  
Notary Public

Print Name: Leah A. Filipkowski

My Commission expires 2/27/15



Date:

10/22/12

Aaron T. Smith

Inventor's Signature

Print full name of second inventor:

Aaron T. Smith

Residence:

Sudbury, Massachusetts

Citizenship:

United States of America

Mailing Address:

45 White Oake Lane

Sudbury, Massachusetts 01776

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

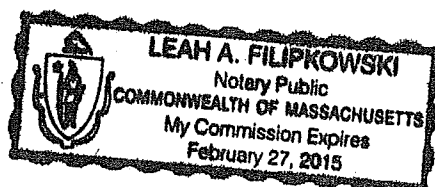
On this 22<sup>nd</sup> day of October, 2012, then personally appeared before me the above-named Aaron T. Smith known to me through satisfactory evidence of identification [ ] employee identification card; ☒ driver's license; ☒ (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Leah A. Filipkowski

Notary Public

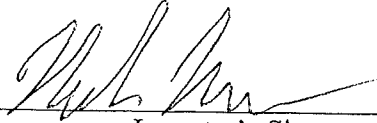
Print Name: Leah A. Filipkowski

My Commission expires 2/27/15



Date:

10/22/2012



Inventor's Signature

Print full name of third inventor:

Keith Meyer

Residence:

Southborough, Massachusetts

Citizenship:

United States of America

Mailing Address:

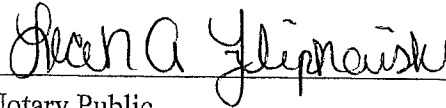
61 Pine Hill Road

Southborough, Massachusetts 01772

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

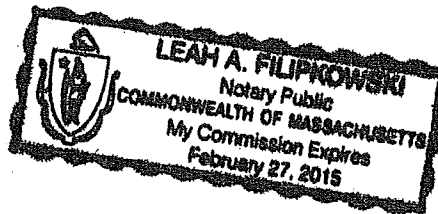
On this 22<sup>nd</sup> day of October, 2012, then personally appeared before me the above-named Keith Meyer known to me through satisfactory evidence of identification ☐ employee identification card; ☒ driver's license; ☐ (other) \_\_\_\_\_ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.



Notary Public

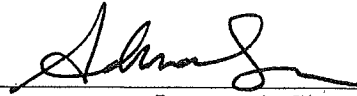
Print Name: Leah A. Filipkowski

My Commission expires 2/27/15



Date:

10/12/12



Inventor's Signature

Print full name of fourth inventor:

Adnan Sahin

Residence:

Needham, Massachusetts

Citizenship:

United States of America

Mailing Address:

140 Pine Grove ~~St~~ Street *AS*

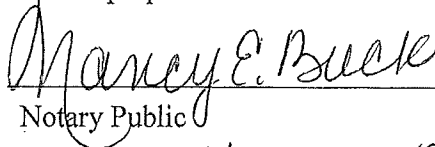
Needham, Massachusetts 02494

STATE/Commonwealth of

COUNTY OF

*Massachusetts*  
*Middlesex*

On this 12 day of October, 2012, then personally appeared before me the above-named Adnan Sahin known to me through satisfactory evidence of identification ☐ employee identification card; ☐ driver's license; ☒ (other) known to me 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 E. Buck

My Commission expires

8/11/2017

Date:

10-22-12

Mark Nadler

Inventor's Signature

Print full name of fifth inventor:

Mark Nadler

Residence:

Westborough, Massachusetts

Citizenship:

Canada

Mailing Address:

1 Gable Ridge Road

Westborough, Massachusetts 01581

STATE/Commonwealth of

COUNTY OF

Massachusetts

Middlesex

On this 22<sup>nd</sup> day of October, 2012, then personally appeared before me the above-named Mark Nadler 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.

Leah A. Filipkowski

Notary Public

Print Name: Leah A. Filipkowski

My Commission expires 2/27/15





Date:

October 20, 2012

John O. Williams II

Inventor's Signature

Print full name of sixth inventor:

John O. Williams, II

Residence:

Florence, Kentucky

Citizenship:

United States of America

Mailing Address:

310 Roberta Avenue

Florence, Kentucky 41042

STATE/Commonwealth of

COUNTY OF

Kentucky  
Boone

On this 20 day of October, 2012, then personally appeared before me the above-named John O. Williams, II 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.

Jessica Keefe  
Notary Public

Print Name: Jessica Keefe

My Commission expires 9 / 13 / 16

Date:

October 20, 2012

J D  
Inventor's Signature

Print full name of seventh inventor:

Jesse D. Keefe

Residence:

Florence, Kentucky

Citizenship:

United States of America

Mailing Address:

1337 Ashford Drive

Florence, Kentucky 41042

STATE/COMMONWEALTH OF

COUNTY OF

Kentucky  
Boone

On this 20 day of October, 2012, then personally appeared before me the above-named Jesse D. Keefe 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.

Jessica Keefe  
Notary Public

Print Name: Jessica Keefe

My Commission expires 9/13/16