

## 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																	
Fax Number:	5167599512																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	516-759-2722																
Email:	nyoffice@rml-law.com																
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Address Line 4:	Locust Valley, NEW YORK 11560																
ATTORNEY DOCKET NUMBER:	EMC-12-570																

OP \$40.00 13632055

NAME OF SUBMITTER:

Joseph B. Ryan

**Total Attachments: 8**

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ASSIGNMENT

**WHEREAS**, we, Aaron T. Smith, Edward Brennan, 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 **AUTOMATED STORAGE PROVISIONING AND MANAGEMENT USING A CENTRALIZED DATABASE**, 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. 13/632,055;
- 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: 10/22/12

Aaron T. Smith  
Inventor's Signature

Print full name of first inventor: Aaron T. Smith  
Residence: Sudbury, Massachusetts  
Citizenship: United States of America  
Mailing Address: 45 White Oake Lane  
Sudbury, Massachusetts 01776

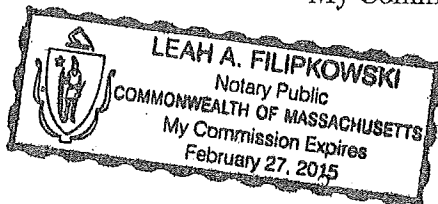
STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

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

Edward C Brennan  
Inventor's Signature

Print full name of second inventor: Edward Brennan  
Residence: Scituate, Massachusetts  
Citizenship: United States of America  
Mailing Address: 114 Clapp Road  
Scituate, Massachusetts 02066

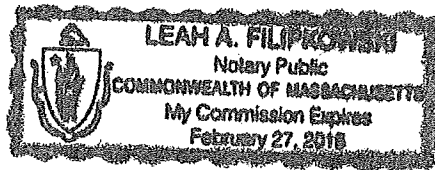
STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

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: 10/22/2012

[Signature]  
Inventor's Signature

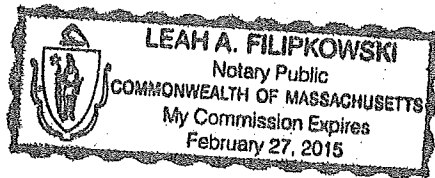
Print full name of third inventor: Keith Meyer  
Residence: Southborough, Massachusetts  
Citizenship: United States of America  
Mailing Address: 61 Pine Hill Road  
Southborough, Massachusetts 01772

STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 22nd 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.

[Signature]  
Notary Public

Print Name: Leah A. Filipkowski  
My Commission expires 2/27/15



Date: 10/12/12

*Adnan Sahin*  
Inventor's Signature

Print full name of fourth inventor: Adnan Sahin  
Residence: Needham, Massachusetts  
Citizenship: United States of America  
Mailing Address: 140 Pine Grove Street *AS*  
Needham, Massachusetts 02494

STATE/Commonwealth of Massachusetts  
COUNTY OF 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) Know Home 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 E. Buck*  
Notary Public  
Print Name: Nancy E. Buck  
My Commission expires 8/11/2017

Date: 10-22-12

Mark Nadler  
Inventor's Signature

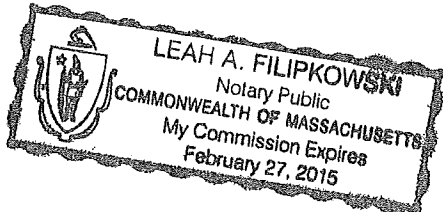
Print full name of fifth inventor: Mark Nadler  
Residence: Westborough, Massachusetts  
Citizenship: Canada  
Mailing Address: 1 Gable Ridge Road  
Westborough, Massachusetts 01581

STATE/Commonwealth of Massachusetts  
COUNTY OF 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 Kentucky  
COUNTY OF 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 K  
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