

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Sean Christopher Dolan	06/27/2011
Marik Marshak	06/29/2011
Alexandr Veprinsky	06/29/2011
Owen Martin	06/28/2011
Xiaomei Liu	06/28/2011
Hui Wang	06/23/2011
<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>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13173056
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(978)264-9119
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	978 264 4001
<b>Email:</b>	cmorrisette@smmalaw.com
<b>Correspondent Name:</b>	Anderson Gorecki & Manaras LLP
<b>Address Line 1:</b>	33 Nagog Park
<b>Address Line 4:</b>	Acton, MASSACHUSETTS 01720
<b>ATTORNEY DOCKET NUMBER:</b>	130-095
<b>NAME OF SUBMITTER:</b>	Holmes W. Anderson

CH \$40.00 13173056

Total Attachments: 8

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**ASSIGNMENT**

**WHEREAS**, we, Sean Christopher Dolan, Marik Marshak, Alexandr Veprinsky, Owen Martin, Xiaomei Liu and Hui Wang, 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

**DYNAMICALLY UPDATED DATA MANAGEMENT PROCESSING PLANS  
GENERATED OUTSIDE A STORAGE ARRAY**, 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, I 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 me had this assignment and sale not been made; I 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. I 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**, I hereby further agree for me and my 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**, I 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**, I have hereunto set my hand and affixed my seal as set forth below:

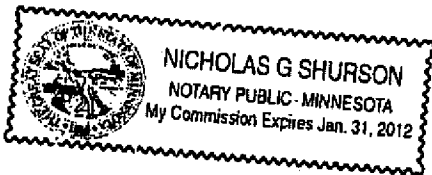
Date: 6/27/2011

SCD  
Inventor's Signature

Print full name of sole or first inventor: Sean Christopher Dolan  
Residence: 54 Oakley Rd.  
Belmont, MA 02478  
Citizenship: USA  
Mailing Address: 54 Oakley Rd.  
Belmont, MA 02478

STATE/Commonwealth OF Minnesota  
COUNTY OF Hennepin

On this 27<sup>th</sup> day of June, 2011, then personally appeared before me the above-named Sean C. Dolan known to me through satisfactory evidence of identification [ ] employee identification card; [ ] driver's license; [X] (other) Massachusetts driver's license 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.



Nicholas Shurson  
Notary Public  
Print Name: Nicholas Shurson  
My Commission expires 01/31/12

Date: 6/29/2011

[Signature]  
Inventor's Signature

Print full name of sole or first inventor:

Marik Marshak

Residence:

36 Tanglewood Road 14 Juniper Ln N.M.  
Newton, MA 02459 02458 M.M.

Citizenship:

Israeli

Mailing Address:

36 Tanglewood Road 14 Juniper Ln N.M.  
Newton, MA 02459 02458 M.M.

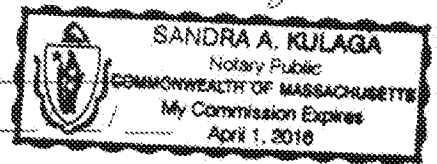
STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 29 day of JUNE, 2011, then personally appeared before me the above-named MARIK MARSHAK known to me through satisfactory evidence of identification [ ] employee identification card; [ ] driver's license; [X] (other) PERSONALLY 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.

[Signature]  
Notary Public

Print Name: \_\_\_\_\_

My Commission expires \_\_\_\_\_



Date: 6/29/2011

  
Inventor's Signature

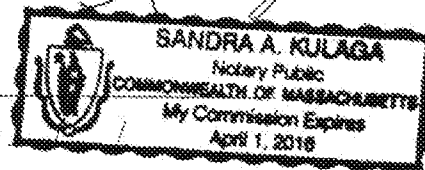
Print full name of sole or first inventor: Alexandr Veprinsky  
Residence: 145 Babcock Street  
Brookline, MA 02446  
Citizenship: ~~Israel~~ U.S.A. A.V.  
Mailing Address: 145 Babcock Street  
Brookline, MA 02446

STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

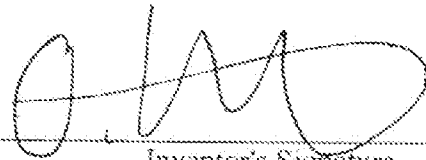
On this 29 day of JUNE, 2011, then personally appeared before me the above-named ~~ALEXANDR VEPRINSKY~~ me through satisfactory evidence of identification [ ] employee identification card; [ ] driver's license; [X] (other) PERSONALLY KNOWN TO ME to be the person whose name is subscribed to the foregoing 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: \_\_\_\_\_  
My Commission expires \_\_\_\_\_



Date: 6/28/11

  
Inventor's Signature

Print full name of sole or first inventor: **Owen Martin**  
Residence: 6 Tammie Road  
Hopedale, MA 01747  
Citizenship: USA  
Mailing Address: 6 Tammie Road  
Hopedale, MA 01747

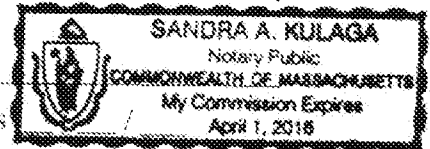
STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 28 day of JUNE, 2011, then personally appeared before me the above-named OWEN MARTIN 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: \_\_\_\_\_  
My Commission expires \_\_\_\_\_





Date: 06/28/2011

Xiaomei Liu  
Inventor's Signature

Print full name of sole or first inventor: **Xiaomei Liu**  
Residence: 19 Lakeview Gardens, Apt. 910  
Natick, MA 01760  
Citizenship: P.R. China  
Mailing Address: 19 Lakeview Gardens, Apt. 910  
Natick, MA 01760

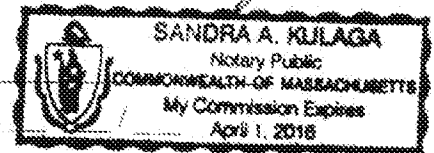
STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 28 day of JUNE, 2011, then personally appeared before me the  
above-named XIAOMEI LIU known to me through satisfactory evidence of identification    
employee identification card;  driver's license;  (other)

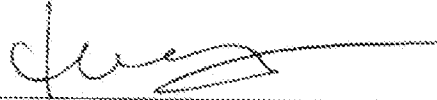
\_\_\_\_\_ to be the person whose name is subscribed to the  
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and  
deed for the purposes therein contained.

Sandra A. Kulaga  
Notary Public

Print Name: \_\_\_\_\_  
My Commission expires \_\_\_\_\_



Date: 6/23/11



Inventor's Signature

Print full name of sole or first inventor: **Hui Wang**  
Residence: 60 South Street  
Upton, MA 01568  
Citizenship: USA  
Mailing Address: 60 South Street  
Upton, MA 01568

STATE/Commonwealth of MASSACHUSETTS  
COUNTY OF MIDDLESEX

On this 23 day of Jun, 2011, then personally appeared before me the above-named HUI WANG known to me through satisfactory evidence of identification  employee identification card;  driver's license;  (other) PERSONALLY 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: \_\_\_\_\_

My Commission expires \_\_\_\_\_

