

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Marik Marshak</td> <td>12/03/2012</td> </tr> <tr> <td>Arieh Don</td> <td>12/03/2012</td> </tr> <tr> <td>Alexandr "Alex" Veprinsky</td> <td>12/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Marik Marshak	12/03/2012	Arieh Don	12/03/2012	Alexandr "Alex" Veprinsky	12/03/2012		
Name	Execution Date										
Marik Marshak	12/03/2012										
Arieh Don	12/03/2012										
Alexandr "Alex" Veprinsky	12/03/2012										
RECEIVING PARTY DATA											
<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
Name:	EMC Corporation										
Street Address:	176 South Street										
City:	Hopkinton										
State/Country:	MASSACHUSETTS										
Postal Code:	01748										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13436906</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13436906						
Property Type	Number										
Application Number:	13436906										
CORRESPONDENCE DATA											
<p>Fax Number: 6175236850 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-523-2700 Email: leonie.shapiro@hkklaw.com Correspondent Name: Holland & Knight Address Line 1: 10 St. James Avenue Address Line 2: 11th Floor Address Line 4: Boston, MASSACHUSETTS 02116</p>											
ATTORNEY DOCKET NUMBER:	113454.00077										
NAME OF SUBMITTER:	Leonie Shapiro										
<p>Total Attachments: 5 source=113454.00077 Assignment#page1.tif source=113454.00077 Assignment#page2.tif source=113454.00077 Assignment#page3.tif source=113454.00077 Assignment#page4.tif source=113454.00077 Assignment#page5.tif</p>											

OP \$40.00 13436906

ASSIGNMENT

WHEREAS, we, Marik Marshak, Arieh Don, and Alexandr "Alex" Veprinsky 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 Improving Cache Performance (Application), the specification of which:

[X] was filed on 31 March 2012, under U.S. Application Serial No. 13/436,906.

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: Dec 3, 2012

[Signature]
Inventor's Signature

Print full name of second inventor: **Marik Marshak**
Residence: **Newton, MA**
Citizenship: **US**
Mailing Address: **14 Juniper Lane**
Newton, MA 02458

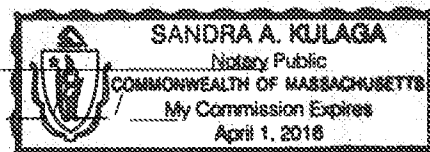
STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX ^{SR}

On this 3 day of DECEMBER, 2012, then personally appeared before me the
above-named MARIK MARSHAK 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.

[Signature]
Notary Public

Print Name: _____

My Commission expires _____



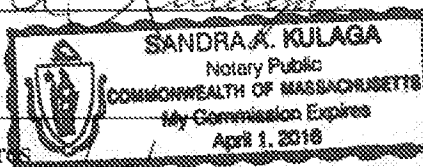
Date: 12-3-2012

[Signature]
Inventor's Signature

Print full name of third inventor: Arieh Don
Residence: Newton, MA
Citizenship: US
Mailing Address: 45 Dexter Road
Newton, MA 02460


STATE/Commonwealth of MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 3 day of DECEMBER, 2012, then personally appeared before me the
above-named ARIEH DON 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.

[Signature]
Notary Public
Print Name: _____
My Commission expires _____


Date:

12/3/2012


Inventor's Signature

Print full name of fourth inventor:

Alexandr "Alex" Veprinsky

Residence:

Brookline, MA

Citizenship:

US

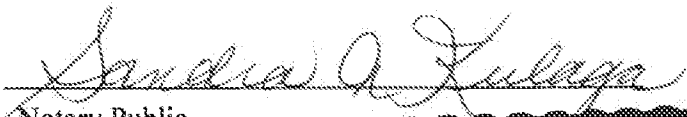
Mailing Address:

145 Babcock Street
Brookline, MA 02446

STATE/Commonwealth of
COUNTY OF

MASSACHUSETTS
MIDDLESEX

On this 3 day of DECEMBER, 2012, then personally appeared before me the
above-named Alexandr 'Alex' Veprinsky 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 _____ / _____

