

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<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>Amnon Naamad</td> <td>06/29/2010</td> </tr> <tr> <td>David Stephen Reiner</td> <td>06/29/2010</td> </tr> <tr> <td>John S. Harwood</td> <td>06/29/2010</td> </tr> <tr> <td>David L. Black</td> <td>06/29/2010</td> </tr> </tbody> </table>		Name	Execution Date	Amnon Naamad	06/29/2010	David Stephen Reiner	06/29/2010	John S. Harwood	06/29/2010	David L. Black	06/29/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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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<b>CORRESPONDENCE DATA</b>											
<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>Email: Docketing@emc.com</p> <p>Correspondent Name: Joseph D'Angelo</p> <p>Address Line 1: 176 South Street</p> <p>Address Line 2: EMC Corporation, Legal Dept.</p> <p>Address Line 4: Hopkinton, MASSACHUSETTS 01748</p>											
ATTORNEY DOCKET NUMBER:	EMC-10-053										
NAME OF SUBMITTER:	Joseph D'Angelo										
<p>Total Attachments: 6</p> <p>source=EMC-10-053_ExecAssnmt#page1.tif</p>											

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**PATENT**  
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## ASSIGNMENT

WHEREAS, we, AMNON NAAMAD, DAVID STEPHEN REINER, JOHN L. HARWOOD, and DAVID L. BLACK 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 **A Method for Dynamic Management of System Resources through Application Hints**, 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 \_\_\_\_\_ 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, 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;

AND, we hereby authorize our attorneys, EMC Corporation, to insert here in parenthesis ( ) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date:

6/29/2010

Amnon Naamad

Inventor's Signature

Print full name of first inventor:

AMNON NAAMAD

Residence:

84 Beals Street, Unit 2, Brookline, MA 02446

Citizenship:

US

Mailing Address:

SAME AS ABOVE

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 29 day of June, 2010, then personally appeared before me the  
above-named **AMNON NAAMAD** 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.

Nancy E. Buck

Notary Public

Print Name:

Nancy E. Buck

My Commission expires 8/27/2010

Date: 6/29/2010

David Stephen Reiner  
Inventor's Signature

Print full name of second inventor:

DAVID STEPHEN REINER

Residence:

7 Russell Road, Lexington, MA 02420

Citizenship:

US

Mailing Address:

SAME AS ABOVE

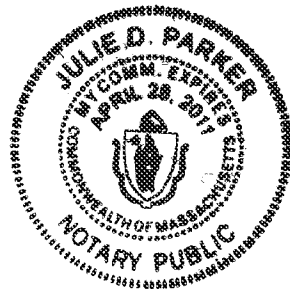
STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 29th day of June, 2010, then personally appeared before me the above-named **DAVID STEPHEN REINER**, 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.

Julie D. Parker  
Notary Public

Print Name: JULIE D. PARKER  
My Commission Expires April 28, 2011



Date:

6/29/2010

[Signature]

Inventor's Signature

Print full name of third inventor:

**JOHN S. HARWOOD**

Residence:

155 Marshall Street, Paxton, MA 01612

Citizenship:

US

Mailing Address:

SAME AS ABOVE

STATE/Commonwealth of  
COUNTY OF

Massachusetts  
Middlesex

On this 29th day of June, 2010, then personally appeared before me the above-named **JOHN S. HARWOOD**, 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: \_\_\_\_\_

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



JULIE D. PARKER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
April 28, 2011



Date: June 29, 2010

David L. Black  
Inventor's Signature

Print full name of fourth inventor:

DAVID L. BLACK

Residence:

237 Central Street, Acton, MA 01720

Citizenship:

US

Mailing Address:

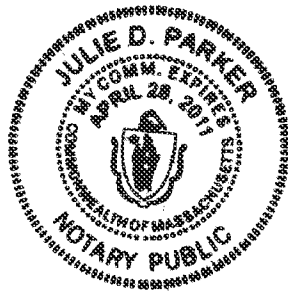
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Julie D. Parker  
Notary Public

Print Name: JULIE D. PARKER  
My Commission expires April 28, 2011  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
April 28, 2011

