

## PATENT ASSIGNMENT

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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>Victor SALAMON</td> <td>04/27/2012</td> </tr> <tr> <td>Ashish A. PALEKAR</td> <td>04/30/2012</td> </tr> <tr> <td>Roel van der GOOT</td> <td>04/27/2012</td> </tr> <tr> <td>David L. BLACK</td> <td>04/30/2012</td> </tr> </tbody> </table>		Name	Execution Date	Victor SALAMON	04/27/2012	Ashish A. PALEKAR	04/30/2012	Roel van der GOOT	04/27/2012	David L. BLACK	04/30/2012
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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
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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>13433885</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13433885						
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CORRESPONDENCE DATA											
<p>Fax Number: (508)898-8602</p> <p>Phone: (508) 898-8601</p> <p>Email: Docketing@westboro-ip.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Donald W. Muirhead</p> <p>Address Line 1: Muirhead and Saturnelli, LLC</p> <p>Address Line 2: 200 Friberg Parkway, Suite 1001</p> <p>Address Line 4: Westborough, MASSACHUSETTS 01581</p>											
ATTORNEY DOCKET NUMBER:	EMS-441US										
NAME OF SUBMITTER:	Donald W. Muirhead										

CH \$40.00 13433885

**Total Attachments: 9**

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## ASSIGNMENT

**WHEREAS**, we, Victor SALAMON, Ashish A. PALEKAR, Roel van der GOOT 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 **ASYMMETRIC ASYNCHRONOUS MIRRORING FOR HIGH AVAILABILITY**, 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 March 29, 2012 as U.S. Application No. 13/433,885;
- ☐ 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 attorneys of Muirhead and Saturnelli, LLC 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: April 27, 2012

  
Inventor's Signature

Print full name of first inventor:

**Victor SALAMON**

Residence:

12011 18 Avenue SW  
Edmonton, AB, T6W 1W3, Canada

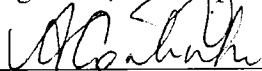
Citizenship:

Canada

Mailing Address:

Same as above

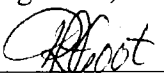
I ANGELA COULTINHO (name) whose residential address is  
8552 64 Avenue NW Edmonton, AB T6E0H3  
was personally present and did see VICTOR SALAMON (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at Edmonton (location of witness signature)

on this day April 27, of 2012. (date of signature)

I ROEL VAN DER GOOT (name) whose residential address is  
408, 10610 83 AVE NW, EDMONTON AB T6E2E2  
was personally present and did see VICTOR SALAMON (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

 (signature of first witness)

Signed at EDMONTON (location of witness signature)

on this day APRIL 27 of 2012. (date of signature)

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of second inventor:

**Ashish A. PALEKAR**

Residence:

20 Benjamin Landing Lane

Franklin, MA 02038

Citizenship:

India

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF \_\_\_\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2012, then personally appeared before me the above-named **Ashish A. PALEKAR** 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: 2012-4-27



Inventor's Signature

**Roel van der GOOT**

Print full name of third inventor:

Residence:

408, 10610 83 Avenue NW

Edmonton, AB, T6E 2E2, Canada

Citizenship:

Netherlands

Mailing Address:

Same as above

I ANGIE LA COUTINHO (name) whose residential address is  
8552 64 Avenue, Edmonton, AB T6E 0H3  
was personally present and did see ROEL VAN DER GOOT (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at April 27, 2012 Edmonton (location of witness signature)

on this day April 27 of 20 12. (date of signature)

I VICTOR SALAMON (name) whose residential address is  
12011-18 AVE SW, EDMONTON, AB, T6W 1W3  
was personally present and did see ROEL VAN DER GOOT (name of person signing  
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**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.

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Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor:

**Victor SALAMON**

Residence:

12011 18 Avenue SW  
Edmonton, AB, T6W 1W3, Canada

Citizenship:

Canada

Mailing Address:

Same as above

I \_\_\_\_\_ (name) whose residential address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_ (signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

I \_\_\_\_\_ (name) whose residential address is \_\_\_\_\_

\_\_\_\_\_ was personally present and did see \_\_\_\_\_ (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_ (signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)



Date: April 30<sup>th</sup> 2012

*Ashish A. Palekar*

Inventor's Signature

Print full name of second inventor:

**Ashish A. PALEKAR**

Residence:

20 Benjamin Landing Lane

Franklin, MA 02038

Citizenship:

India

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

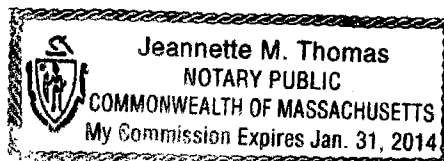
COUNTY OF Middlesex

On this 30<sup>th</sup> day of April, 2012, then personally appeared before me the above-named **Ashish A. PALEKAR** known to me through satisfactory evidence of identification ☐ employee identification card; ☐ driver's license; ☐ (other) personally known 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.

*Jeannette M. Thomas*  
Notary Public

Print Name: Jeannette M. Thomas

My Commission expires: 1/31/2014



Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor's Signature

Print full name of third inventor:

**Roel van der GOOT**

Residence:

408, 10610 83 Avenue NW

Edmonton, AB, T6E 2E2, Canada

Citizenship:

Netherlands

Mailing Address:

Same as above

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\_\_\_\_\_ (signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

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was personally present and did see \_\_\_\_\_ (name of person signing the assignment) who is personally known to me, execute the above assignment.

\_\_\_\_\_ (signature of first witness)

Signed at \_\_\_\_\_ (location of witness signature)

on this day \_\_\_\_\_ of 20\_\_\_\_. (date of signature)

Date: 30 April 2012

David L. Black

Inventor's Signature

Print full name of fourth inventor:

**David L. BLACK**

Residence:

237 Central Street

Acton, MA 01720

Citizenship:

U.S.A.

Mailing Address:

Same

COMMONWEALTH OF MASSACHUSETTS

COUNTY OF Middlesex

On this 30<sup>th</sup> day of April, 2012, then personally appeared before me the above-named **David L. BLACK** known to me through satisfactory evidence of identification ☐ employee identification card; ☐ driver's license; ☐ (other) personally known \_\_\_\_\_ 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.

Jeannette M. Thomas

Notary Public

Print Name: Jeannette M. Thomas

My Commission expires: 1/31/2014

