

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>Oliver M.D. SHOREY</td> <td>03/23/2012</td> </tr> <tr> <td>Dan ARNON</td> <td>03/15/2012</td> </tr> <tr> <td>David MEIRI</td> <td>03/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Oliver M.D. SHOREY	03/23/2012	Dan ARNON	03/15/2012	David MEIRI	03/20/2012
Name	Execution Date								
Oliver M.D. SHOREY	03/23/2012								
Dan ARNON	03/15/2012								
David MEIRI	03/20/2012								
RECEIVING PARTY DATA									
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>13429498</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13429498				
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Application Number:	13429498								
CORRESPONDENCE DATA									
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Muirhead and Saturnelli, LLC								
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ATTORNEY DOCKET NUMBER:	EMS-418US; EMC-11-499								
NAME OF SUBMITTER:	Donald W. Muirhead								
<p>Total Attachments: 4 source=EMS-418US, Executed Assignment#page1.tif source=EMS-418US, Executed Assignment#page2.tif source=EMS-418US, Executed Assignment#page3.tif source=EMS-418US, Executed Assignment#page4.tif</p>									

CH \$40.00 13429498

ASSIGNMENT

WHEREAS, we, Oliver M. D. SHOREY, Dan ARNON and David MEIRI 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 **MULTISITE REPLICATION WITH UNCOORDINATED CYCLE SWITCHING**, the specification of which:

- [X] 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 attorneys of Muirhead and Saturnelli, LLC to insert here in parenthesis (13/429,498) 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: 23/3/12


Inventor's Signature

Print full name of first inventor: **Oliver M. D. SHOREY**
Residence: 55 Neuman Crescent
Bracknell, Berks RG12 7GL, Great Britain
Citizenship: Great Britain
Mailing Address: Same as above


I SALLY ANN BOTDIMER (name) whose residential address is 6 BOOLE HEIGHTS, BRACKNELL, RG12 7GL was personally present and did see OLIVER SHOREY (name of person signing the assignment) who is personally known to me, execute the above assignment.


(signature of first witness)

Signed at 6 BOOLE HEIGHTS, BRACKNELL (location of witness signature)

on this day 23rd March of 20 12. (date of signature)

I IAN ROBERT BOTDIMER (name) whose residential address is 6 BOOLE HEIGHTS, BRACKNELL, BERKSHIRE RG12 7GL was personally present and did see OLIVER SHOREY (name of person signing the assignment) who is personally known to me, execute the above assignment.


(signature of second witness)

Signed at 6 BOOLE HEIGHTS, BRACKNELL (location of witness signature)

on this day TWENTY THIRD MARCH of 20 12. (date of signature)

Date: 3/15/2012

Dan Arnon
Inventor's Signature

Print full name of second inventor: **Dan ARNON**
Residence: 82 Wallace Street
Somerville, MA 02144
Citizenship: USA
Mailing Address: Same

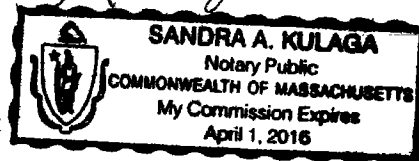
COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 15 day of MARCH, 2012, then personally appeared before me the above-named **Dan ARNON** 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.

Sandra A Kulaga
Notary Public

Print Name:

My Commission expires:



Date: 3/20/2012

D. Meiri
Inventor's Signature

Print full name of third inventor: **David MEIRI**
Residence: 392 Franklin Street, #2
Cambridge, MA 02139
Citizenship: USA
Mailing Address: Same

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 20 day of MARCH, 2012, then personally appeared before me the above-named **David MEIRI** 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.

Sandra A. Kulaga
Notary Public

Print Name:

My Commission expires

