

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>DENNIS T. DUPREY</td><td>03/25/2009</td></tr><tr><td>MILES A. DE FOREST</td><td>03/25/2009</td></tr></tbody></table>	Name	Execution Date	DENNIS T. DUPREY	03/25/2009	MILES A. DE FOREST	03/25/2009	
Name	Execution Date						
DENNIS T. DUPREY	03/25/2009						
MILES A. DE FOREST	03/25/2009						
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>12411561</td></tr></tbody></table>	Property Type	Number	Application Number:	12411561			
Property Type	Number						
Application Number:	12411561						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	EMC-08-279						
NAME OF SUBMITTER:	Jason A. Reyes						
Total Attachments: 4 source=EMC-08-279Assignment#page1.tif source=EMC-08-279Assignment#page2.tif source=EMC-08-279Assignment#page3.tif							

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PATENT
REEL: 022454 FRAME: 0185

ASSIGNMENT

WHEREAS, we, DENNIS T. DUPREY and MILES A. DE FOREST 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 MANAGING REPLICATION AND RESERVATIONS (Application), 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;

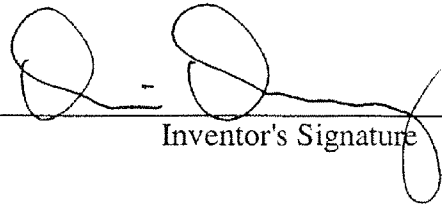
AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

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:

3/25/09


Inventor's Signature

Print full name of first inventor:

DENNIS T. DUPREY

Residence:

100 TIBURY COURT, RALEIGH, NC 27615

Citizenship:

USA

Mailing Address:

100 TIBURY COURT, RALEIGH, NC 27615


STATE/COMMONWEALTH OF

North Carolina

COUNTY OF

Durham

On this 25th day of March, 2009, then personally appeared before me the above-named **DENNIS T. DUPREY** known to me through satisfactory evidence of identification [☒] employee identification card; [☐] driver's license; [☐] (other) Dennis Duprey 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: Sheryl D. Jones

My Commission expires 5/8/2012

Date: 3/25/2009

Miles A. De Forest
Inventor's Signature

Print full name of second inventor:

MILES A. DE FOREST

Residence:

6921 IRON GATE DRIVE, BAHAMA, NC
27503

Citizenship:

USA

Mailing Address:

6921 IRON GATE DRIVE, BAHAMA, NC
27503

STATE/Commonwealth of North Carolina
COUNTY OF Durham

On this 25th day of March, 2009, then personally appeared before me the above-named **MILES A. DE FOREST** known to me through satisfactory evidence of identification [☒] employee identification card; [☐] driver's license; [☐] (other) Miles de Forest 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.

Sheryl D. Jones
Notary Public

Print Name: Sheryl D. Jones

My Commission expires 5 / 8 / 2012