

## 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>Richard P. Ruef</td><td>03/14/2011</td></tr><tr><td>Uday K. Gupta</td><td>03/16/2011</td></tr><tr><td>Chris D. Youngworth</td><td>03/17/2011</td></tr></tbody></table>	Name	Execution Date	Richard P. Ruef	03/14/2011	Uday K. Gupta	03/16/2011	Chris D. Youngworth	03/17/2011	
Name	Execution Date								
Richard P. Ruef	03/14/2011								
Uday K. Gupta	03/16/2011								
Chris D. Youngworth	03/17/2011								
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>13050905</td></tr></tbody></table>	Property Type	Number	Application Number:	13050905					
Property Type	Number								
Application Number:	13050905								
CORRESPONDENCE DATA									
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Address Line 4: Houston, TEXAS 77002									
ATTORNEY DOCKET NUMBER:	EMC-10-303								
NAME OF SUBMITTER:	Richard C. Auchterlonie								
Total Attachments: 4 source=EMC-10-303_EMCR182_Assignment_Notarized#page1.tif source=EMC-10-303_EMCR182_Assignment_Notarized#page2.tif source=EMC-10-303_EMCR182_Assignment_Notarized#page3.tif source=EMC-10-303_EMCR182_Assignment_Notarized#page4.tif									

CH \$40.00 13050905

ASSIGNMENT

**WHEREAS**, we, **Richard P. Ruef, Uday K. Gupta, and Chris D. Youngworth**, 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 **Continuous Data Reduction for Highly Available Synchronous Mirrors**, 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.

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

Date:

3/14/2011

Richard P. Ruef  
Inventor's Signature

Print full name of first inventor: **Richard P. Ruef**

Residence: 3352 Via Gargano, Santa Cruz, CA 95062

Citizenship: United States

Mailing Address: 3352 Via Gargano, Santa Cruz, CA 95062

STATE/Commonwealth of  
COUNTY OF

California  
Santa Cruz

On this 14<sup>th</sup> day of March, 2011, then personally appeared before me the above-named Richard P. Ruef, 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.



Gabriel Saul Coren  
Notary Public

Print Name: Gabriel Saul Coren

My Commission expires 6/19/2013

Date: 3/16/2011

  
Inventor's Signature

Print full name of second inventor: **Uday K. Gupta**

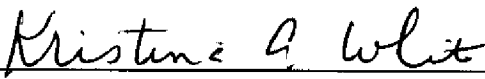
Residence: 5 Indigo Lane, Westford, MA 01886

Citizenship: India

Mailing Address: 5 Indigo Lane, Westford, MA 01886

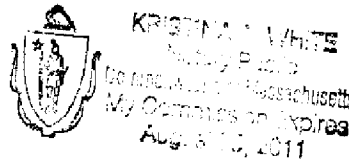
STATE/Commonwealth of Massachusetts  
COUNTY OF Middlesex

On this 16<sup>th</sup> day of March, 2011, then personally appeared before me the above-named Uday K. Gupta, 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

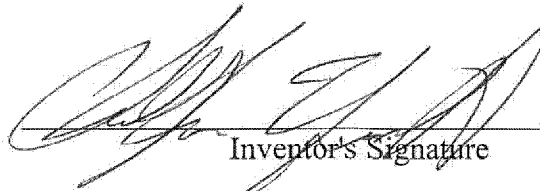
Print Name: Kristina A. White

My Commission expires 8/25/2011



Date:

3/17/2011

  
Inventor's Signature

Print full name of third inventor:

**Chris D. Youngworth**

Residence:

1604 Guadalajara Court, San Jose, CA

Citizenship:

United States

Mailing Address:

1604 Guadalajara Court, San Jose, CA

STATE OF  
COUNTY OF

CA  
Santa Clara

On this 17 day of March, 2011, before me appeared Chris D. Youngworth who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Deanna L. Santos

Notary Public

Print Name: Deanna L. Santos

My Commission expires 8/21/2012

