

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Scott C. Auchmoody</td> <td>05/15/2008</td> </tr> <tr> <td>Eric Olsen</td> <td>05/15/2008</td> </tr> </tbody> </table>		Name	Execution Date	Scott C. Auchmoody	05/15/2008	Eric Olsen	05/15/2008				
Name	Execution Date										
Scott C. Auchmoody	05/15/2008										
Eric Olsen	05/15/2008										
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
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>13460285</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13460285						
Property Type	Number										
Application Number:	13460285										
CORRESPONDENCE DATA											
<p>Fax Number: 8013281707</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 8015339800</p> <p>Email: nbarrigar@wnlaw.com</p> <p>Correspondent Name: Workman Nydegger</p> <p>Address Line 1: 60 E South Temple</p> <p>Address Line 2: 1000 Eagle Gate Tower</p> <p>Address Line 4: Salt Lake City, UTAH 84111</p>											
ATTORNEY DOCKET NUMBER:	16192.84.1.2										
NAME OF SUBMITTER:	Peter F. Malen Jr.										
<p>Total Attachments: 5</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p> <p>source=Assignment#page3.tif</p> <p>source=Assignment#page4.tif</p> <p>source=Assignment#page5.tif</p>											

OP \$40.00 13460285

ASSIGNMENT

WHEREAS, we, Scott C. Auchmoody and Eric Olsen 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 STORAGE OF DATA WITH COMPOSITE HASHES IN BACKUP SYSTEMS, 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 December 31, 2007 as U.S. Application No. 11/968,053;
- ☐ 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,

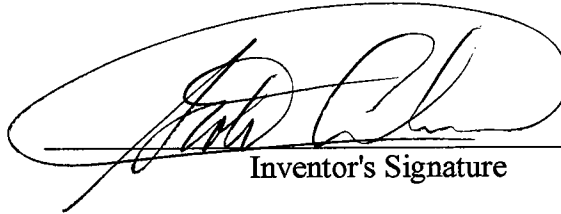
reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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:

5/15/08



Inventor's Signature

Print full name of first inventor:

Scott C. Auchmoody

Residence:

Irvine, CA

Citizenship:

U.S.

Mailing Address:

c/o EMC Corporation
176 South Street
Hopkinton, MA 01748

STATE OF _____
COUNTY OF _____

On this _____ day of _____, 20____, before me appeared _____ 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.

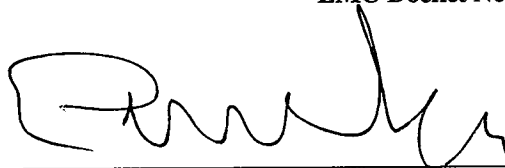
Notary Public

Print Name: _____

My Commission expires ____ / ____ / ____

Date:

5/15/2008



Inventor's Signature

Print full name of second inventor:

Eric Olsen

Residence:

Lake Forest, CA

Citizenship:

U.S.

Mailing Address:

c/o EMC Corporation

176 South Street

Hopkinton, MA 01748

STATE OF _____
COUNTY OF _____

On this _____ day of _____, 20____, before me appeared _____ 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.

See acknowledgment dated 5/15/08
Notary Public

Print Name: _____

My Commission expires ____ / ____ / ____

ACKNOWLEDGMENT

State of California
County of Orange)

On May 15, 2008 before me, Aysen Dundar (Notary Public)
(insert name and title of the officer)

personally appeared Scott C. Auchmoody and Eric Olsen,
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.

Signature



(Seal)

