

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 Forrest Bingham</td><td>09/27/2006</td></tr><tr><td>Upanshu Singhal</td><td>09/27/2006</td></tr><tr><td>Matthew D. Buchman</td><td>09/27/2006</td></tr><tr><td>Patrick M. Simonich</td><td>09/27/2006</td></tr></tbody></table>		Name	Execution Date	Scott Forrest Bingham	09/27/2006	Upanshu Singhal	09/27/2006	Matthew D. Buchman	09/27/2006	Patrick M. Simonich	09/27/2006
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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>11536121</td></tr></tbody></table>		Property Type	Number	Application Number:	11536121						
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Application Number:	11536121										
CORRESPONDENCE DATA											
Fax Number: (801)328-1707 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 801-533-9800											
Email: sjones@wnlaw.com											
Correspondent Name: Workman Nydegger											
Address Line 1: 60 East South Temple											
Address Line 2: 1000 Eagle Gate Tower											
Address Line 4: Salt Lake City, UTAH 84111											
ATTORNEY DOCKET NUMBER:	16192.42										
NAME OF SUBMITTER:	Sara D. Jones										

OP \$40.00 11536121

Total Attachments: 5

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PATENT

REEL: 018319 FRAME: 0554

Docket No: 16192.42

WHEN RECORDED AT U.S.PATENT & TRADEMARK
OFFICE, RETURN TO:
R. Burns Israelsen
Workman Nydegger
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

ASSIGNMENT

I/We the undersigned, hereinafter collectively referred to as "Assignor", are the inventors of an invention entitled **REMOTE BACKUP AND RESTORE OPERATIONS FOR ISB PROTOCOL SYSTEMS.**

Preferred embodiments of said invention are disclosed in a United States patent application filed in the United States Patent and Trademark Office as:

Serial No. _____,

on the date of _____.

(I hereby authorize the attorneys of Workman Nydegger to insert said serial number and filing date when known.)

The Assignee, EMC Corporation, a corporation of the state of Massachusetts, having a principal place of business at 176 South Street, Hopkinton, Massachusetts 01748, desires to secure the entire right, title and interest in said application.

In consideration of One Dollar (\$1.00) and other good and valuable consideration paid to Assignor by the Assignee, the receipt and sufficiency of which is hereby acknowledge, ASSIGNOR HEREBY ASSIGNS TO THE ASSIGNEE:

The entire right, title, and interest in the above-identified United States patent application and in all divisions, continuations and continuations-in-part of said application, or reissues or extensions of letters patent or patents granted thereon, and in all patents issuing thereon in the United States.

The right to claim the benefit of any prior related United States or foreign patent applications.

Assignor hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all patents on said application to the Assignee as the owner of the

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entire interest, for the sole use and behoof of the said Assignee, its successors, assigns and legal representatives.

Assignor hereby agrees, without further consideration, to sign all lawful papers and to perform all other lawful acts which the Assignee may request Assignor to make this Assignment fully effective, including, by way of example but not of limitation, the following:

Prompt execution of all original, divisional, substitute, reissue, and other United States applications and all lawful documents requested by the Assignee to further the prosecution of any of such patent applications.

Cooperation to the best of Assignor's ability in the execution of all lawful documents, the production of evidence, nullification, reissue, extension, or infringement proceedings involving said application.

This assignment and agreement shall be binding upon Assignor's heirs and legal representatives.

Inventor 1

<u>Scott</u>	<u>Forrest</u>	<u>Bingham</u>
(GIVEN NAME)	(MIDDLE INITIAL OR NAME)	FAMILY (OR LAST NAME)

Inventor's signature *Scott Forrest Bingham*

Date 27 Sept 06

STATE OF WA)
: ss.
COUNTY OF King)

On 9/27, 2006, before me personally appeared Scott Forrest Bingham, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that they have read the same and know the contents thereof and executed the same as their free act and deed and for the purposes set forth therein.

[Notary Seal: Notary Public, State of Washington, Commission Expires APR 09, 2009]

Michael B. Bingham
NOTARY PUBLIC
Residing at King County

My Commission Expires:

4/9/09

Docket No: 16192.42

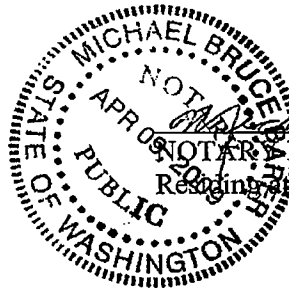
Inventor 2

Upanshu Singhal
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

Inventor's signature [Signature]Date 09/27/2006

STATE OF WA)
COUNTY OF King) : ss.

On September 26 2006, before me personally appeared Upanshu Singhal, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that they have read the same and know the contents thereof and executed the same as their free act and deed and for the purposes set forth therein.



My Commission Expires:

4/9/09

Docket No: 16192.42

Inventor 3

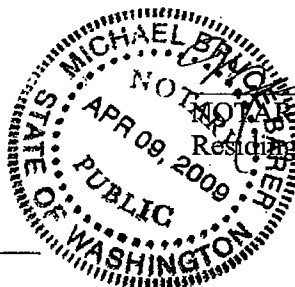
Matthew D. Buchman
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)
Inventor's signature [Signature]
Date 9/27/2006

STATE OF WA)
COUNTY OF King) : ss.

On September 26 ^{27th}, 2006, before me personally appeared Matthew D. Buchman, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that they have read the same and know the contents thereof and executed the same as their free act and deed and for the purposes set forth therein.

My Commission Expires:

4/9/09



Residing at Bellevue WA

Docket No: 6192.42

Inventor 4

Patrick M. Simonich
(GIVEN NAME) (MIDDLE INITIAL OR NAME) FAMILY (OR LAST NAME)

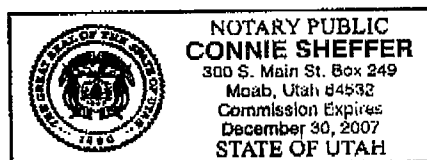
Inventor's signature Patrick M SimonichDate 9/27/2006

STATE OF Utah)
COUNTY OF Grand) : ss.

On 27, Sept, 2006, before me personally appeared Patrick M. Simonich, known to me to be the person described and who signed the foregoing Assignment in my presence and acknowledged under oath before me that they have read the same and know the contents thereof and executed the same as their free act and deed and for the purposes set forth therein.

Connie Sheffer
NOTARY PUBLIC
Residing at Moab, Ut

My Commission Expires:

12/30/07

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