PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
R. Hugo Patterson	05/13/2011

RECEIVING PARTY DATA

Name:	EMC Corporation
Street Address:	176 South Street
City:	Hopkinton
State/Country:	MASSACHUSETTS
Postal Code:	01748

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13107791	

CORRESPONDENCE DATA

Fax Number: (408)973-2595

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 408-973-2585

Email: enguyen@ip-patent.com

Correspondent Name: VAN PELT, YI & JAMES LLP AND EMC CORPORA

Address Line 1: 10050 N. FOOTHILL BLVD.

Address Line 2: SUITE 200

Address Line 4: CUPERTINO, CALIFORNIA 95014

ATTORNEY DOCKET NUMBER: EMCCP221

NAME OF SUBMITTER: Terrence L. Wong

Total Attachments: 3

source=EMCCP221_assignment#page1.tif source=EMCCP221_assignment#page2.tif source=EMCCP221_assignment#page3.tif

> PATENT REEL: 026279 FRAME: 0710

ICH \$40.00 131077

PATENT/Sole Assignment Attorney Docket No.: EMCCP221

ASSIGNMENT

WHEREAS, I, R. Hugo Patterson, 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 SYNCHRONIZATION OF STORAGE USING LOG FILES AND SNAPSHOTS, the specification of which:

[X]	is being executed on even date States Patent Office;	herewith and is about to be filed in the Uni	ted
	was filed on	as U.S. Application No.	
	was patented under U.S. Pater	nt Noon	

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, I 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 me had this assignment and sale not been made; I 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. I 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, I hereby further agree for me and my 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

PATENT REEL: 026279 FRAME: 0711 testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I 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, I have hereunto set my hand and affixed my seal as set forth below:

PATENT/Sole Assignment Attorney Docket No.: EMCCP221

Date: 5//3/201/	12Hya Lella- Inventor's Signature
Print full name of sole inventor:	R. Hugo Patterson
Residence:	Los Altos, CA
Citizenship:	United States of America
Mailing Address:	176 South Street
	Hopkinton, MA 01748
On this 13 day of May, who proved to me on the basis of satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the within instrument and acknown his/her/their authorized capacity(ies), and the satisfactory subscribed to the s	Clara 20 11, before me appeared R. Hugo Patterson evidence to be the person(s) whose name(s) is/are owledged to me that he/she/they executed the same that by his/her/their signature(s) on the instrument nich the person(s) acted, executed the instrument. der the laws of the State of California that the
	Notary Public Print Name: Deana L. Santos My Commission expires 8 /21 / 2012 DEANNA L. SANTOS Commission & 1807272 Notary Public - California Alameda County My Comm. Expires Aug 21, 2012

-3-

RECORDED: 05/13/2011