502510884 09/26/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
Owen Martin	09/25/2013	
Sachin More	09/25/2013	

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:	14038024

CORRESPONDENCE DATA

Fax Number:

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

Phone: 508-898-8601

Email: AES@WESTBORO-IP.COM

Correspondent Name: MUIRHEAD AND SATURNELLI, LLC

Address Line 1: 200 FRIBERG PARKWAY, SUITE 1001

Address Line 4: WESTBOROUGH, MASSACHUSETTS 01581

ATTORNEY DOCKET NUMBER:	EMS-527US	
NAME OF SUBMITTER:	Anne E. Saturnelli	
Signature:	/Anne E. Satumelli/	
Date:	09/26/2013	

Total Attachments: 3

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PATENT REEL: 031290 FRAME: 0675 CH \$40.00 14038

Attorney Docket No.: EMS-527US EMC Docket No.: EMC-13-0022

ASSIGNMENT

WHEREAS, we, Owen MARTIN and Sachin MORE 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 TECHNIQUES FOR STORING DATA, the specification of which:

[X]	is being executed on e	ven date herev	with and	is about to	be filed	in the	United
	States Patent Office;						
[]	was filed on	as U.	S. Applic	cation 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;

PATENT REEL: 031290 FRAME: 0676

Attorney Docket No.: EMS-527US EMC Docket No.: EMC-13-0022

thereon to said ASSIGNEE, its successors, assigns, and legal representatives. AND, we hereby authorize attorneys of Muirhead and Saturnelli, LLC to insert here in parenthesis (14)038,024 filed 9-26-13) 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 Inventor's Signature Owen MARTIN Print full name of first inventor: Residence: 6 Tammie Road Hopedale, MA 01747 Citizenship: U.S. Mailing Address: Same COMMONWEALTH OF MASSACHUSETTS COUNTY OF Middlesex On this 25 day of September, 2013, then personally appeared before me the abovenamed Owen MARTIN 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: Linda N. Valanzola My Commission expires: LINDA M. VALANZOLA Notary Public
OMMONWEALTH OF MASSACHUSETTS My Commission Expires February 13, 2015

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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

Attorney Docket No.: EMS-527US EMC Docket No.: EMC-13-0022

Date: $9/25/2013$	g/M
	Inventor's Signature
Print full name of second inventor:	Sachin MORE
Residence:	141 Howard Street
	Northborough, MA 01532
Citizenship:	India
Mailing Address:	Same
	then personally appeared before me the above-satisfactory evidence of identification
employee identification card; [\(\sqrt{1} \)] driver to be the person whose name	
	Luk m. Valanzola
	Notary Public
	Print Name: Linda M. Valanzola
	My Commission expires:
	LINDA M. VALANZOLA Notory Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires February 13, 2015