503230600 03/23/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EMC INTERNATIONAL COMPANY	02/23/2015

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:	14665110

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: EMC-10-443CON1	
NAME OF SUBMITTER:	GERALD P. KAZANJIAN
SIGNATURE:	/Gerald P. Kazanjian/
DATE SIGNED:	03/23/2015

Total Attachments: 3

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PATENT 503230600 REEL: 035230 FRAME: 0204

<u>ASSIGNMENT</u>

THIS INTELLECTUAL PROPERTY ASSIGNMENT (this "ASSIGNMENT") is made and entered into by and between EMC International Company, an unlimited private company organized under the laws of Ireland and having a usual place of business at 2 Church Street, Hamilton, Bermuda ("ASSIGNOR"), and EMC Corporation, a Massachusetts corporation, with its principal place of business at 176 South Street, Hopkinton, Massachusetts 01748 ("ASSIGNEE").

WHEREAS, ASSIGNOR exclusively acquired the entire right, title and interest throughout the world in and to the inventions described in the applications for Letters Patent identified on Schedule A, attached hereto, together with the entire right, title and interest in and to such Letters Patent as may issue on said applications and including any reissues, extensions, continuations, continuations-in-part, divisions or re-examinations thereof;

NOW, THEREFORE, ASSIGNOR agrees as follows:

ASSIGNOR hereby conveys to ASSIGNEE all legal right, title and interest throughout the world in and to the inventions described in the applications for Letters Patent identified on Schedule A, attached hereto, together with the legal right, title and interest in and to such Letters Patent as may issue on said applications and including any reissues, extensions, continuations, continuations-in-part, divisions or re-examinations thereof, including, without limitation, all rights, claims and privileges pertaining to any of the foregoing, including, without limitation, the right to prosecute and maintain any of the foregoing, and the right to sue and recover damages for past, present and future infringement of any of the foregoing;

ASSIGNOR hereby acknowledges that this Assignment, being of the legal right, title and interest in and to said inventions, 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 legal right, title and interest therein;

ASSIGNOR hereby further agrees to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemednecessary to secure fully the aforesaid inventions 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 inventions or any application or patent directed thereto may be involved;

ASSIGNOR also hereby authorizes and requests the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted based upon saidapplications to said ASSIGNEE, its successors, assigns, and legal representatives;

PATENT REEL: 035230 FRAME: 0205 IN TESTIMONY WHEREOF, ASSIGNOR has hereunto set its hand the date set forth below.

EMC INTERNATIONAL COMPANY

Dated: February 23 2015

Paul T. Dacier

Paul 1. Dacie Director

SCHEDULE A

EMC Docket Number	Patent Application Serial Number	Title	Filing Date
EMC-10-443	13/073,215	METHOD AND APPARATUS FOR REPLICATING THE PUNCH COMMAND	03/28/2011

12.1

PATENT REEL: 035230 FRAME: 0207