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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2596540

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LARRY W. MCCLOSKEY	10/11/2013
KARYN M. KELLEY	10/11/2013

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:	14041314

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	4427.1014-000
NAME OF SUBMITTER:	NICOLE ISABELLE
Signature: /NICOLE ISABELLE/	
Date:	10/30/2013

Total Attachments: 3

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PATENT

REEL: 031507 FRAME: 0678

PATENT/Joint Assignment Attorney Docket No.: 4427.1014-000 EMC Docket No.: EMC-12-1030

ASSIGNMENT

WHEREAS, we, Larry W. McCloskey and Karyn M. Kelley 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 *Out-Of-Band File Transfers Between a Host and Virtual Tape Server*, the specification of which:

[]	is being executed on even date herewith and is about to be filed in the United States Patent Office;	
[X]	was filed on September 30, 2013 as U.S. Application No. 14/041,314;	
[]	was patented under U.S. Patent 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, 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,

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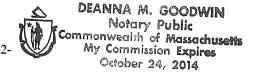
PATENT/Joint Assignment Attorney Docket No.: 4427.1015-000 EMC Docket No.: EMC-13-0193

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: Oct 11, 2013	Inventor's Signature
Print full name of first inventor	Larry W. McCloskey
Residence:	Billerica, MA
Citizenship:	USA
Mailing Address:	15 Apollo Ave
above-named // Employee identification can to be t	2023, then personally appeared before me the own to me through satisfactory evidence of rd; [] driver's license; [] (other) the person whose name is subscribed to the the/she executed the same as his/her free act and Notary Public Print Name: Deama M. Boodwill My Commission expires Def 12014
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PATENT/Joint Assignment Attorney Docket No.: 4427.1015-000 EMC Docket No.: EMC-13-0193

Date: 10/11/13	Heyon Kelley
	U Inventor's Signature
Print full name of second inventor	Karyn M. Kelley
Residence:	Peabody, MA
Citizenship:	USA
Mailing Address:	2 Goldthwaite Place
M_{I}	Peabody, MA 01960
STATE/COMMONWEALTH OF COUNTY OF	DALLUST HS
above-named Karly Kliff know identification [V employee identification car	
	he person whose name is subscribed to the he/she executed the same as his/her free act and
	Deanna M. Svordune
	Notary Public
	Print Name: Deannal M. Gonawin
	My Commission expires 10/14/2014

DEANNA M. GOODWIN
Notary Public
Commonwealth of Massachusetts
My Commission Expires
October 24, 2014

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RECORDED: 10/30/2013