502885297 07/09/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MATTHEW C. MCCLINE	05/20/2011
MILENA BERGANT	05/20/2011

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:	14267301

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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Correspondent Name: PATRICK J. BISENIUS

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ATTORNEY DOCKET NUMBER:	27-0027002
NAME OF SUBMITTER:	MI KYONG SHIN
SIGNATURE:	/Mi Kyong Shin/
DATE SIGNED:	07/09/2014

Total Attachments: 4

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> **PATENT** REEL: 033275 FRAME: 0864

502885297

PATENT/Joint Assignment Attorney Docket No.: E003-1611US EMC Docket No.: EMC-11-212

ASSIGNMENT

WHEREAS, we, MATTHEW C. McCLINE, and MILENA BERGANT 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

ONLINE MIRROR STATE TRANSITIONS FOR GOOD QUALITY OF SERVICE AND HIGH AVAILABILITY IN DATABASES

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	is being executed on even date herewith and is about to be filed in the United States Patent Office;
[X]	was filed on May 15, 2011, as U.S. Application No. 13/107,922;
	was patented under U.S. Patent No

the specification of which

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:

> PATENT REEL: 033275 FRAME: 0865

PATENT/Joint Assignment Attorney Docket No.: E003-1611US EMC Docket No.: EMS-11-212

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;

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:

PATENT/Joint Assignment Attorney Docket No.: E003-1611US EMC Docket No.: EMS-11-212

Date: 5/20/2011	Author C. M.C.
	Inventor's Signature
Print full name of first inventor:	MATTHEW C. McCLINE
Residence:	Foster City, California
Citizenship:	US
Mailing Address:	737 Celestial Lane Foster City, CA 94404
STATE OF CA	
name(s) is/are subscribed to the within instrue executed the same in his/her/thefr authorized	201/_, before me appeared MATTHEW C. satisfactory evidence to be the person(s) whose ment and acknowledged to me that he/she/they capacity(ies), and that by his/her/thefr signature(s) upon behalf of which the person(s) acted, executed
I certify under PENALTY OF PERJURY und foregoing paragraph is true and correct.	ler the laws of the State of California that the
WITNESS my hand and official seal.	
	Dearna I Sontos
	Notary Public
	Print Name: Deana L Santos
	My Commission expires $\frac{8}{2} / \frac{2l}{2} / \frac{20l^2}{2}$
	DEANNA L. SANTOS Commission # 1807272 Notary Public - California

PATENT/Joint Assignment Attorney Docket No.: E003-1611US EMC Docket No.: EMS-11-212

Date:	Whisp Lynner
	Inventor's Signature
Print full name of second inventor:	MILENA BERGANT
Residence:	SAN MATEO, CALIFORNIA
Citizenship:	US
Mailing Address:	3365 Kimberly Way San Mateo, CA 94403
STATE OF CA	
COUNTY OF San 1	<u>nateo</u>
subscribed to the within instrument and acknown in his/her/their authorized capacity(ies), and the	20 <u>1/</u> , before me appeared MILENA BERGANT 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 ch the person(s) acted, executed the instrument. The laws of the State of California that the
WITNESS my hand and official seal.	
	Notary Public Print Name: Deansa L. Santos My Commission expires 8 / 2/ / 20/2- DEANNA L. SANTOS Gommission * 1807272 Notary Public - California Alameda County My Comm. Expires Aug 21, 2012

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