## 502230854 02/14/2013

## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Helen S. RAIZEN	12/26/2012
Assaf NATANZON	12/16/2012

## 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:	13727884

## CORRESPONDENCE DATA

Fax Number: 5083664688

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

Phone: 508-616-2900

Email: docket@bainwoodhuang.com

Correspondent Name: James F. Thompson

Address Line 1: Bainwood, Huang & Associates, Inc.

Address Line 2: 2 Connector Road

Address Line 4: Westborough, MASSACHUSETTS 01581

ATTORNEY DOCKET NUMBER:	1003-191
NAME OF SUBMITTER:	James F. Thompson, Esq.

#### Total Attachments: 6

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PATENT REEL: 029810 FRAME: 0795 TCH \$40,00 137278

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Attorney Docket No.: 1003-191 EMC Docket No.: EMC-12-806

#### **ASSIGNMENT**

WHEREAS, I, Helen S. Raizen, as the original inventor or an original joint inventor 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:

# NON-DISRUPTIVE AND MINIMALLY DISRUPTIVE DATA MIGRATION IN ACTIVE-ACTIVE CLUSTERS

which is further identified by Attorney Docket Number 1003-191;

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, USA desires to acquire an interest therein in accordance with agreements duly entered into with me;

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 myself 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

Attorney Docket No.: 1003-191 EMC Docket No.: EMC-12-806

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, 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;

AND I hereby authorize my attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (13/727,884 filed December 27, 2012) 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, I have hereunto set my hand and affixed my seal as set forth below:

Attorney Docket No.: 1003-191 EMC Docket No.: EMC-12-806

Date: 12/24/12	Helm 5. Plus -	
	Inventor's Signature	
Legal name of inventor:	Helen S. Raizen	
Residence:	75 Arborway	
	Jamaica Plain, MA 02130	
	United States of America	
Citizenship:	US	
Mailing Address:	Same as above	
STATE/COMMONWEALTH OF COUNTY OF Mi	ddlesex	
On this 26 day of December , 20 10, then personally appeared before me the above-named Helen S. Raizen 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.		
KOSSI	Medeson	
ER 27 TANK	Notary Public	
250	Print Name: Kossick	
O TARY	My Commission expires 10/24/2019	

PATENT ASSIGNMENT Attorney Docket No.: 1003-191

EMC Docket No.: EMC-12-806

#### **ASSIGNMENT**

WHEREAS, I, Assaf Natanzon, as the original inventor or an original joint inventor 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:

## NON-DISRUPTIVE AND MINIMALLY DISRUPTIVE DATA MIGRATION IN ACTIVE-ACTIVE CLUSTERS

which is further identified by Attorney Docket Number 1003-191:

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, USA desires to acquire an interest therein in accordance with agreements duly entered into with me:

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 myself 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

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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**, 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;

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Attorney Docket No.: 1003-191 EMC Docket No.: EMC-12-806

Date: 16 12 2011	MW
• )	Inventor's Signature
Print full name of first inventor:	Assaf Natanzon
Residence:	Levanon 95 Street
	Tel Aviv, Israel 69395
Citizenship:	IL
Mailing Address:	Same as above
1 Ron Couper 52 Kosovski st. Tel Av	(name) whose residential address is
was personally present and di	d see Assut Natunton (name personally known to me, execute the above
- Marine	(signature of first witness)
Signed at Horalia	(location of witness signature)
on this day 16 Dag	(location of witness signature) of 20 <u>12</u> . (date of signature)
was personally present and d of person signing the assignment) who is assignment.	(name) whose residential address is Sal t id see <u>ો જર્ત મોના વ્યવ</u> (name s personally known to me, execute the above
assignment.	(signature of second witness)
Signed at Hership	(location of witness signature)
on this day 16 Duc	of 2012. (date of signature)