### 502360436 05/24/2013

### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date	
Sorin Faibish	04/10/2013	
Yedidya Dotan	03/06/2013	
John A. Murray	05/20/2013	
Lawrence N. Friedman	04/09/2013	

### **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:	13729996	

### **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: Bainwood, Huang & Associates, LLC

Address Line 1: 2 Connector Road

Address Line 4: Westborough, MASSACHUSETTS 01581

ATTORNEY DOCKET NUMBER:	1048-167
NAME OF SUBMITTER:	David E. Huang, Esq.
Signature:	/David E. Huang/
	PATENT

REEL: 030483 FRAME: 0608

H \$40 00 13729

Total Attachments: 12 source=1048-167 - Executed Assignment Inv1#page1.tif source=1048-167 - Executed Assignment Inv1#page2.tif source=1048-167 - Executed Assignment Inv2#page3.tif source=1048-167 - Executed Assignment Inv2#page1.tif source=1048-167 - Executed Assignment Inv2#page2.tif source=1048-167 - Executed Assignment Inv2#page3.tif source=1048-167 - Executed Assignment Inv3#page1.tif source=1048-167 - Executed Assignment Inv3#page2.tif source=1048-167 - Executed Assignment Inv3#page3.tif source=1048-167 - Executed Assignment Inv4#page1.tif source=1048-167 - Executed Assignment Inv4#page1.tif source=1048-167 - Executed Assignment Inv4#page2.tif	Date:	05/24/2013
source=1048-167 - Executed Assignment Inv4#page3.tif	source=1048-167 - Executed Assignment In	v1#page2.tif v1#page3.tif v2#page1.tif v2#page2.tif v2#page3.tif v3#page1.tif v3#page2.tif v3#page3.tif v4#page3.tif v4#page1.tif

PATENT REEL: 030483 FRAME: 0609

PATENT ASSIGNMENT Attorney Docket No.: 1048-167

EMC Docket No.: EMC-12-675

## **ASSIGNMENT**

WHEREAS, I, <u>Sorin Faibish</u>, 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

# CONTROLLING ACCESS TO A PROTECTED RESOURCE USING MULTIPLE USER DEVICES

which is further identified by Attorney Docket Number 1048-167;

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 St., Hopkinton, MA 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;

PATENT ASSIGNMENT Attorney Docket No.: 1048-167

EMC Docket No.: EMC-12-675

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;

**IN TESTIMONY WHEREOF**, I have hereunto set my hand and affixed my seal as set forth below:

PATENT ASSIGNMENT

Attorney Docket No.: 1048-167 EMC Docket No.: EMC-12-675

Date: 4/10/2013	Fulcol		
	Inventor's Signature		
Legal name of inventor:	Sorin Faibish		
Residence:	11 Selwyn Road		
	Newton, MA 02461		
Citizenship:	US		
Mailing Address:	Same as above		
On this _/OH day of	, 2013, then personally appeared before win to me through satisfactory evidence of card; [X] driver's license; [_] (other) be the person whose name is subscribed to		
	dged that he/she executed the same as his/her in contained.		
	Smitte S. Kelley		
	Notary Public		
	Print Name: Linette S. Kelley		
	My Commission expires <u>67</u> / <u>/ 3</u> / <u>20 /</u> 8		



PATENT ASSIGNMENT Attorney Docket No.: 1048-167

EMC Docket No.: EMC-12-675

### **ASSIGNMENT**

WHEREAS, I, <u>Yedidya Dotan</u>, 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

# CONTROLLING ACCESS TO A PROTECTED RESOURCE USING MULTIPLE USER DEVICES

which is further identified by Attorney Docket Number 1048-167;

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 St., Hopkinton, MA 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;

PATENT ASSIGNMENT Attorney Docket No.: 1048-167

EMC Docket No.: EMC-12-675

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:

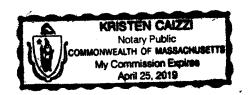
AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

AND I hereby authorize my attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (13/729, 996 filed 12/28/20/2 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:

PATENT ASSIGNMENT Attorney Docket No.: 1048-167 EMC Docket No.: EMC-12-675

Legal name of inventor: Yedidya Dotan Residence: 53 Cloverdale Road Newton, MA 02461 Citizenship: IL Mailing Address: Same as above STATE/COMMONWEALTH OF **COUNTY OF** On this \_\_\_\_\_ day of \_\_\_\_\_\_, 2013, then personally appeared before me the above-named <u>Yedidya Dotan</u> 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:



My Commission expires 4

PATENT ASSIGNMENT

Attorney Docket No.: 1048-167 EMC Docket No.: EMC-12-675

#### ASSIGNMENT

WHEREAS, I, John A. Murray, 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

# CONTROLLING ACCESS TO A PROTECTED RESOURCE USING MULTIPLE USER DEVICES

which is further identified by Attorney Docket Number 1048-167;

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 St., Hopkinton, MA 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;

PATENT ASSIGNMENT Attorney Docket No.: 1048-167

EMC Docket No.: EMC-12-675

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;

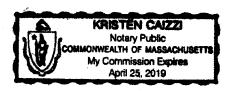
**AND**, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives;

AND I hereby authorize my attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (13/709, 996 filed 10/08/001000) 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:

PATENT ASSIGNMENT Attorney Docket No.: 1048-167 EMC Docket No.: EMC-12-675

Date: 5/20/13	of the
Local name of inventors	Inventor's Signature  John A. Murray
Legal name of inventor:	6114 Stearns Hill Road
Residence:	
	Waltham, MA 02451
Citizenship:	US
Mailing Address:	Same as above
STATE/COMMONWEALTH OF COUNTY OF	the answer
COUNTY OF	301030X
me the above-named <b>John A. Murray</b> knidentification [] employee identification to	be the person whose name is subscribed to ged that he/she executed the same as his/her
	Notary Public
	Print Name:  My Commission expires 4 / 25/ 2019



PATENT ASSIGNMENT

Attorney Docket No.: 1048-167 EMC Docket No.: EMC-12-675

#### **ASSIGNMENT**

**WHEREAS**, I, <u>Lawrence N. Friedman</u>, 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

# CONTROLLING ACCESS TO A PROTECTED RESOURCE USING MULTIPLE USER DEVICES

which is further identified by Attorney Docket Number 1048-167;

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 St., Hopkinton, MA 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;

PATENT ASSIGNMENT Attorney Docket No.: <u>1048-167</u> EMC Docket No.: <u>EMC-12-675</u>

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 ( 13/739, 996 filed 13/8/3012) 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:

PAT	ENT	ASSI	G١	1M	E١	VT

Attorney Docket No.: 1048-167 EMC Docket No.: EMC-12-675

Date: April 9 2013

Inventor's Signature

Legal name of inventor:

Residence:

Lawrence N. Friedman

148 Scituate Street

Arlington, MA 02476

Citizenship:

US

Mailing Address:

Same as above

STATE/COMMONWEALTH OF

**COUNTY OF** 

,ddle sax

On this \_\_\_\_\_ day of \_\_\_\_\_\_, 2013, then personally appeared before me the above-named Lawrence N. Friedman 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:

My Commission expires 4 25/2019

Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
April 25, 2019