

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eyal Kolman</td> <td>05/06/2013</td> </tr> <tr> <td>Alon Kaufman</td> <td>06/03/2013</td> </tr> <tr> <td>Yael Villa</td> <td>06/03/2013</td> </tr> <tr> <td>Alex Vaystikh</td> <td>05/20/2013</td> </tr> <tr> <td>Ereli Eran</td> <td>05/16/2013</td> </tr> <tr> <td>Liron Liptz</td> <td>05/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	Eyal Kolman	05/06/2013	Alon Kaufman	06/03/2013	Yael Villa	06/03/2013	Alex Vaystikh	05/20/2013	Ereli Eran	05/16/2013	Liron Liptz	05/27/2013
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<table border="1"> <tr> <td>Name:</td> <td>EMC Corporation</td> </tr> <tr> <td>Street Address:</td> <td>176 South Street</td> </tr> <tr> <td>City:</td> <td>Hopkinton</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01748</td> </tr> </table>		Name:	EMC Corporation	Street Address:	176 South Street	City:	Hopkinton	State/Country:	MASSACHUSETTS	Postal Code:	01748				
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CORRESPONDENCE DATA															
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 508-435-1000 Email: Docketing@emc.com Correspondent Name: EMC CORPORATION OFFICE OF THE GENERAL CO Address Line 1: 176 SOUTH STREET Address Line 4: HOPKINTON, MASSACHUSETTS 01748</p>															
ATTORNEY DOCKET NUMBER:	EMC-12-1036														
NAME OF SUBMITTER:	Jason A. Reyes														

CH \$40.00 13852187

Signature:	/Jason A. Reyes/
Date:	06/11/2013
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ASSIGNMENT

WHEREAS, we, **EYAL KOLMAN, ALON KAUFMAN, and YAEL VILLA, ALEX VAYSTIKH, ERELI ERAN and LIRON LIPTZ** 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 **USER AUTHENTICATION**, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on **March 28, 2013** as U.S. Application No. **13/852,187**;
- was patented under U.S. Patent No. _____ on _____.

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,

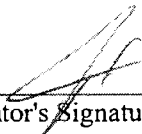
reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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;

AND, we hereby authorize our attorneys, EMC Corporation, to insert here in parenthesis (_____) 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, we have hereunto set our hands and affixed our seals as set forth below:

Date: 5/6/2013


Inventor's Signature

Print full name of inventor: **Eyal Kolman**
Residence: Ashtori Hapharhi 2, Tel Aviv, 62743 - Israel
Citizenship: ISRAEL
Mailing Address: Same as above

I Hazan Alon (name) whose residential address is
3/8 Mordai Hagetaot st. Ramat-Gan Israel
was personally present and did see Eyal Kolman (name of
person signing the assignment) who is personally known to me, execute the above assignment.


(signature of first witness)

Signed at Herzelyia (location of witness signature)

on this 05 day of 06 of 2013. (date of signature)

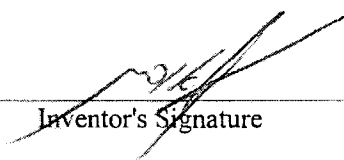
I Ran Ofry (name) whose residential address is
14 Hatzrova St TLV
was personally present and did see Eyal Kolman (name of person signing
the assignment) who is personally known to me, execute the above assignment.


(signature of second witness)

Signed at Herzelyia (location of witness signature)

on this 5 day of 6 of 2013. (date of signature)

Date: 6/3/13


Inventor's Signature

Print full name of inventor:

Alon Kaufman

Residence:

10 Alon Street, P.O. Box 247, BNEI-DROR
45815 - Israel

Citizenship:

ISRAEL

Mailing Address:

Same as above

I Hazan Alon (name) whose residential address is
3/8 Morday Hagetaot St. Ramat-Gan, Israel
was personally present and did see ALON KAUFMAN (name of
person signing the assignment) who is personally known to me, execute the above assignment.



(signature of first witness)

Signed at Herzeliya (location of witness signature)

on this 05 day of 06 of 2013. (date of signature)

I Ran Ono (name) whose residential address is
16 Haterozim St. Tel Aviv
was personally present and did see Alon Kaufman (name of person signing
the assignment) who is personally known to me, execute the above assignment.

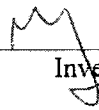


(signature of second witness)

Signed at Herzeliya (location of witness signature)

on this 5 day of 6 of 2013. (date of signature)

Date: 306.213


Inventor's Signature

Print full name of inventor:

Yael Villa

Residence:

Romema 36/1, Tel Aviv 69419 - Israel

Citizenship:

German Democratic Republic

Mailing Address:

Same as above

I Hazan Alon (name) whose residential address is
318 Mordas Hageot St. Ramt-gan, Israel
was personally present and did see Yael Villa (name of
person signing the assignment) who is personally known to me, execute the above assignment.


_____ (signature of first witness)

Signed at Herzelia (location of witness signature)

on this 05 day of 06 of 20 13. (date of signature)

I Ran Oron (name) whose residential address is
16 Hatirash st. 764
was personally present and did see Yael Villa (name of person signing
the assignment) who is personally known to me, execute the above assignment.


_____ (signature of second witness)

Signed at Herzeliya (location of witness signature)

on this 5 day of 8 of 20 13. (date of signature)

Date: 20/5/2013

Alex Vaystikh
Inventor's Signature

Print full name of inventor: **Alex Vaystikh**
Residence: Derech Ramataim 69/1, HOD HASHARON
45324 - Israel
Citizenship: Israel
Mailing Address: Same as above

I Eyal Griss (name) whose residential address is
fern Hnsofer 13
was personally present and did see Alex Vaystikh (name of
person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at Herzliya (location of witness signature)

on this 20 day of May of 2013. (date of signature)

I Ereli Eran (name) whose residential address is
Natan Hekahan nola Iel-Aviv
was personally present and did see Alex Vaystikh (name of person signing
the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at Herzliya (location of witness signature)

on this 20 day of May of 2013 (date of signature)

Print full name of inventor:

Ereli Eran

Residence:

Natan HeHaham 10/1, Tel Aviv 6341316 - Israel

Citizenship:

Israel

Mailing Address:

Same as above

I Eyal Gross (name) whose residential address is Gra Hahoter 13 Tel Aviv was personally present and did see Ereli Eran (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at Hertzlia (location of witness signature)

on this 16 day of May of 2013. (date of signature)

I ELAD KOREN (name) whose residential address is Yad Hamahavir 6, TEL-AVIV, ISRAEL was personally present and did see Ereli Eran (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature] (signature of second witness)

Signed at Hertzlia (location of witness signature)

on this 16 day of May of 2013. (date of signature)

Date: 16-May-2013

[Signature]
Inventor's Signature

Date: 27/5/2013

Liron Liptz
Inventor's Signature

Print full name of inventor:

Liron Liptz

Residence:

26 Habrigada Hayehudit, Herzelia 46301 - Israel

Citizenship:

Israel

Mailing Address:

Same as above

I ~~Liron Liptz~~ ^{Alon} ~~Hazan~~ (name) whose residential address is 3/8 Morday Hagefot St. Ramat -Gan, Israel was personally present and did see Liron Liptz (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature]

(signature of first witness)

Signed at Herzeliya (location of witness signature)

on this 05 day of 06 of 2013. (date of signature)

I Rno Uzo (name) whose residential address is 16 Hatino 53 St TLV was personally present and did see Liron Liptz (name of person signing the assignment) who is personally known to me, execute the above assignment.

[Signature]

(signature of second witness)

Signed at Herzeliya (location of witness signature)

on this 5 day of 6 of 2013. (date of signature)