

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3333402

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZOHAR DUCHIN	03/18/2015
MARCELO BLATT	03/18/2015
ALEX ZASLAVSKY	03/18/2015
LIRON LIPTZ	03/18/2015
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:	14662377
CORRESPONDENCE DATA	
Fax Number:	(508)366-4688
<i>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.</i>	
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:	1048-246
NAME OF SUBMITTER:	DAVID E. HUANG, ESQ.
SIGNATURE:	/David E. Huang/
DATE SIGNED:	04/30/2015
Total Attachments: 12	
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ASSIGNMENT

WHEREAS, I, Zohar Duchin, 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

TAKING A PICTURE OF A ONE-TIME USE PASSCODE AND USING THE PICTURE TO AUTHENTICATE

which is further identified by Attorney Docket Number 1048-246;

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

PATENT ASSIGNMENT
Attorney Docket No.: 1048-246
EMC Docket No.: EMC-14-0993

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 the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (141662.377 03/19/2015) 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.: 1048-246
EMC Docket No.: EMC-14-0993

Date: 3/18/2015

[Signature]
Inventor's Signature

Print full name of first inventor: Zohar Duchin
Residence: 38B Kisufim Street
Hertzliya 4650087 ISRAEL
Citizenship: IL
Mailing Address: Same as above

I Carmit Sahar (name) whose residential address is
Ben Yosef 26 Tel Aviv ISRAEL
_____ was personally present and did see Zohar Duchin (name
of person signing the assignment) who is personally known to me, execute the above
assignment.

Carmit Sahar (signature of first witness)

Signed at Herzliya, Israel (location of witness signature)

on this day 18/march of 2015. (date of signature)

I Don Karpatic' (name) whose residential address is
14 SHENHAV STREET, RGN-YEHUDA 40900, ISRAEL
_____ was personally present and did see Zohar Duchin (name
of person signing the assignment) who is personally known to me, execute the above
assignment.

[Signature] (signature of second witness)

Signed at Herzliya, Israel (location of witness signature)

on this day 18/march of 2015. (date of signature)

ASSIGNMENT

WHEREAS, I, Marcelo Blatt, 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

TAKING A PICTURE OF A ONE-TIME USE PASSCODE AND USING THE PICTURE TO AUTHENTICATE

which is further identified by Attorney Docket Number 1048-246;

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

PATENT ASSIGNMENT
Attorney Docket No.: 1048-246
EMC Docket No.: EMC-14-0993

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 the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (141662,377 filed 03/19/2015) 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.: 1048-246
EMC Docket No.: EMC-14-0993

Date: March 18, 2015

Marcelo Blatt

Inventor's Signature

Print full name of first inventor:

Marcelo Blatt

Residence:

55 Hemek HaEla

Modiin 71722 ISRAEL

Citizenship:

IL

Mailing Address:

Same as above

I Carmit Sahar (name) whose residential address is
Ban Yosef 26, Tel-Aviv ISRAEL
_____ was personally present and did see Marcelo Blatt (name
of person signing the assignment) who is personally known to me, execute the above
assignment.

Carmit Sahar (signature of first witness)

Signed at Herzliya (location of witness signature)

on this day 18 / March of 2015. (date of signature)

I Pan Karpate (name) whose residential address is
14 SHEVAH STREET, EVER-YEHUDA 40500, ISRAEL
_____ was personally present and did see Marcelo Blatt (name
of person signing the assignment) who is personally known to me, execute the above
assignment.

Pan Karpate (signature of second witness)

Signed at Herzliya (location of witness signature)

on this day 18 / March of 2015. (date of signature)

ASSIGNMENT

WHEREAS, I, Alex Zaslavsky, 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

TAKING A PICTURE OF A ONE-TIME USE PASSCODE AND USING THE PICTURE TO AUTHENTICATE

which is further identified by Attorney Docket Number 1048-246;

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

PATENT ASSIGNMENT
Attorney Docket No.: 1048-246
EMC Docket No.: EMC-14-0993

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 the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (141662,377 filed 03/19/2015) 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.: 1048-246
EMC Docket No.: EMC-14-0993

Date: 18/March/2015



Inventor's Signature

Print full name of first inventor: Alex Zaslavsky
Residence: 27 Knesset Israel, Apt. 17
Petah Tiqwa 4901528 ISRAEL
Citizenship: IL
Mailing Address: Same as above

I Carmit Sahar (name) whose residential address is
Ben Yosef St., Tel Aviv ISRAEL
_____ was personally present and did see Alex Zaslavsky (name
of person signing the assignment) who is personally known to me, execute the above
assignment.

Carmit Sahar (signature of first witness)

Signed at Herzliya, Israel (location of witness signature)

on this day 18/march of 2015. (date of signature)

I Dan Karpati (name) whose residential address is
14 SHENHAV street, EVEN-YEHUDA 40500, ISRAEL
_____ was personally present and did see Alex Zaslavsky (name
of person signing the assignment) who is personally known to me, execute the above
assignment.


_____ (signature of second witness)

Signed at Herzliya, Israel (location of witness signature)

on this day 18/march of 2015. (date of signature)

ASSIGNMENT

WHEREAS, I, Liron Liptz, 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

TAKING A PICTURE OF A ONE-TIME USE PASSCODE AND USING THE PICTURE TO AUTHENTICATE

which is further identified by Attorney Docket Number 1048-246;

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

PATENT ASSIGNMENT
Attorney Docket No.: 1048-246
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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 the attorneys at Bainwood Huang & Associates LLC to insert here in parentheses (141662,377 filed 03/19/2015) 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.: 1048-246
EMC Docket No.: EMC-14-0993

Date: 18/3/15

Liron Liptz
Inventor's Signature

Print full name of first inventor:

Liron Liptz

Residence:

Irus Haargaman 28
Even Yehuda 40500 ISRAEL

Citizenship:

IL

Mailing Address:

Same as above

I Carmit Sahar (name) whose residential address is
Ben Yosef 26 Tel-Aviv, 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.

Carmit Sahar (signature of first witness)

Signed at Herzliya, Israel (location of witness signature)

on this day 18/March of 2015. (date of signature)

I Don Karpul (name) whose residential address is
14 SHEHAR STREET, EVEN-YEHUDA 40500, 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 second witness)

Signed at Herzliya, Israel (location of witness signature)

on this day 19/March of 2015. (date of signature)