

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3585981

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT              |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                  |
| <b>CONVEYING PARTY DATA</b>   |                             |
| <b>Name</b>   | <b>Execution Date</b>       |
| ANTON KHITRENOVICH  | 10/11/2015                  |
| OLEG FREYLAFERT   | 10/11/2015                  |
| <b>RECEIVING PARTY DATA</b>   |                             |
| <b>Name:</b>  | EMC CORPORATION             |
| <b>Street Address:</b>  | 176 SOUTH STREET            |
| <b>City:</b>  | HOPKINTON                   |
| <b>State/Country:</b>   | MASSACHUSETTS               |
| <b>Postal Code:</b>   | 01748                       |
| <b>PROPERTY NUMBERS Total: 1</b>  |                             |
| <b>Property Type</b>  | <b>Number</b>               |
| Application Number:   | 14864106                    |
| <b>CORRESPONDENCE DATA</b>  |                             |
| <b>Fax Number:</b>  | (203)255-6570               |
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| <b>Address Line 4:</b>  | WESTPORT, CONNECTICUT 06880 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | EMC-15-0515                 |
| <b>NAME OF SUBMITTER:</b>   | KEVIN M. MASON              |
| <b>SIGNATURE:</b>   | /Kevin M. Mason/            |
| <b>DATE SIGNED:</b>   | 10/26/2015                  |
| <b>Total Attachments: 4</b>   |                             |
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| source=EMC-15-0515_FiledAssignment_10-26-2015#page4.tif   |                             |

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Anton Khitrenovich, Oleg Freyrlafert  
Additional name(s) of conveying party(ies)  
attached?  
 Yes  No

2. Name and address of receiving party(ies)  
Name: EMC Corporation  
Internal Address:

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: October 11, 2015, October 11, 2015

Street Address: 176 South Street  
City: Hopkinton State: MA ZIP: 01748  
Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:  
A. Patent Application No.(s) 14/864,106 Filed September 24, 2015 B. Patent No.(s)  
Additional numbers attached?  Yes  No

5. Name and address of party to whom  
correspondence concerning document should be  
mailed:  
Name: Kevin M. Mason  
Internal Address: Ryan, Mason & Lewis, LLP  
Street Address: 1175 Post Road East  
City: Westport State: CT ZIP: 06880

6. Total number of applications and patents  
involved: 1  
7. Total Fee (37 CFR 3.41)..... \$ 40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number 50-0762

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Kevin M. Mason /Kevin M. Mason/ October 26, 2015  
Reg. No. 36,597 Signature Date

Total number of pages including cover sheet, attachments, and document: 4

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EMC-15-0515

**ASSIGNMENT**

**WHEREAS**, we, Anton Khitrenovich and Oleg Freyلافert, 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 WITH MULTIPLE AUTHENTICATION SOURCES AND NON-BINARY AUTHENTICATION DECISIONS**, 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 September 24, 2015 as U.S. Application No. 14/864,106;
- 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.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

October 11, 2015  
Date


  
Anton Khitrenovich

On this 11<sup>th</sup> day of October, 2015, before me personally came Anton Khitrenovich, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:

Yana Vaisman  
Name

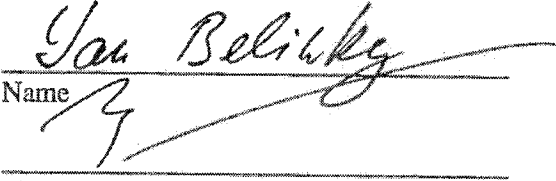
11/10/2015  
Date

  
Signature

Witness 2:

Yan Belivky  
Name

11.10.2015  
Date

  
Signature

October 11, 2015  
Date

[Signature]  
Oleg Freyrafert

On this 11<sup>th</sup> day of October, 2015, before me personally came Oleg Freyrafert, to me known to be the individual who executed the foregoing instrument, and acknowledged execution of the same.

Witness 1:  
11/10/2015  
Date

Yana Uaisman  
Name

[Signature]  
Signature

Witness 2:  
11.10.2015  
Date

Yana Belivkey  
Name

[Signature]  
Signature