

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3959663

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREY PAKHOMOV	07/05/2016
IVAN ANDREYEV	07/05/2016
<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:	15208870
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(203)255-6570
<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>	
<b>Phone:</b>	203-255-6560
<b>Email:</b>	bab@rml-law.com
<b>Correspondent Name:</b>	KEVIN M. MASON
<b>Address Line 1:</b>	1175 POST ROAD EAST, 2ND FLOOR
<b>Address Line 2:</b>	RYAN, MASON & LEWIS, LLP
<b>Address Line 4:</b>	WESTPORT, CONNECTICUT 06880
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-15-0907
<b>NAME OF SUBMITTER:</b>	KEVIN M. MASON
<b>SIGNATURE:</b>	/Kevin M. Mason/
<b>DATE SIGNED:</b>	07/13/2016
<b>Total Attachments: 5</b>	
source=EMC-15-0907_Assignment_7-13-16#page1.tif	
source=EMC-15-0907_Assignment_7-13-16#page2.tif	
source=EMC-15-0907_Assignment_7-13-16#page3.tif	
source=EMC-15-0907_Assignment_7-13-16#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):**  
**Andrey Pakhomov and Ivan Andreyev**  
**Additional name(s) of conveying party(ies)**  
**attached?**

Yes  No

**2. Name and address of receiving party(ies)**

**Name: EMC Corporation**

**Internal Address:**

**Street Address: 176 South Street**

**City: Hopkinton State: MA ZIP: 01748**

**Additional name(s) & address(es) attached?  Yes  No**

**3. Nature of conveyance:**

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

**Execution Date: July 5, 2016, July 5, 2016**

**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) 15/208,870 Filed July 13, 2016      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, 2<sup>nd</sup> Floor**  
**City: Westport State: CT ZIP: 06880**

**6. Total number of applications and patents  
involved: 1**

**7. Total Fee (37 CFR 3.41)..... \$**

Enclosed

Authorized to be charged to deposit account

**8. Deposit account number 50-0762**

**DO NOT USE THIS SPACE**

**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/**

**July 13, 2016**

**Reg. No. 36,597**

**Signature**

**Date**

Total number of pages including cover sheet, attachments, and document: 5

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, DC 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC, 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.

EMC-15-0907

**ASSIGNMENT**

WHEREAS, we, Andrey Pakhomov and Ivan Andreyev, 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 **OPTIMIZATION OF NETWORK DATA TRANSFERS OVER A WIDE AREA NETWORK**, 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 \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_;

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;

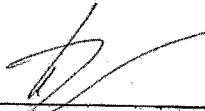
AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, 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:

Date: 05 Jul 2016



Inventor's Signature

Print full name of first inventor:

Andrey Pakhomov

Residence:

St. Petersburg, Russia

Citizenship:

Russia

Mailing Address:

Lazo str 10-60

St. Petersburg, Russia 195030

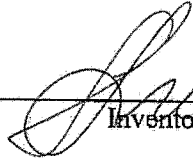
Maksim Shosunov

Witness

Vasily Zubov

Witness

Date: 05 Jul 2016



Inventor's Signature

Print full name of second inventor:

Ivan Andreyev

Residence:

St. Petersburg, Russia

Citizenship:

Russia

Mailing Address:

Matrosa Zheleznyaka st. 57-358

St. Petersburg, Russia 197343

Vasily Zuluin

Witness

Vladimir Stasunov

Witness