

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3357004

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DMITRY NIKOLAYEVICH TYLIK	07/11/2014
YURI ALEXANDROVICH STOTSKI	07/10/2014
ALEXANDER GEORGIEVICH AKOPYAN	07/14/2014
ALEXANDER VLADIMIROVICH SOROTSKY	07/25/2014
STANISLAV YEVGENYEVICH GORSHKOV	07/10/2014
<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>
<b>Application Number:</b>	14369091
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	508-616-2900
<b>Email:</b>	Docket@BainwoodHuang.com
<b>Correspondent Name:</b>	BAINWOOD, HUANG & ASSOCIATES, LLC
<b>Address Line 1:</b>	2 CONNECTOR ROAD
<b>Address Line 4:</b>	WESTBOROUGH, MASSACHUSETTS 01581
<b>ATTORNEY DOCKET NUMBER:</b>	1003-258.001
<b>NAME OF SUBMITTER:</b>	RONALD L. GORDON, PH.D.
<b>SIGNATURE:</b>	/Ronald L. Gordon/
<b>DATE SIGNED:</b>	05/18/2015
<b>Total Attachments: 15</b>	
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source=1003-258.001 - Executed Assignment - GORSHKOV#page3.tif

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

**ASSIGNMENT**

**WHEREAS**, I, Dmitry Nikolayevich Tylik, 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

**FLEXIBLE LICENSING ARCHITECTURE**

which is further identified by Attorney Docket Number 1003-258.001;

**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;

**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 countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

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 ( 14/369,091, filed June 26, 2014 ) 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:

A handwritten signature in black ink, appearing to be 'MHD', is written over the text 'set forth below:'.

PATENT ASSIGNMENT  
Attorney Docket No.: 1003-258.001  
EMC Docket No.: EMC-13-0497

Date: 11-JUL-2014



Inventor's Signature

Print full name of first inventor: Dmitry Nikolayevich Tylik  
Residence: 11 Scherbakova St., Apt. 199  
197375 St. Petersburg, Russian Federation  
Citizenship: RU  
Mailing Address: Same as above

I, Alexander Mazur (name) whose residential address is  
190000, St. Petersburg, Nakhimov str. 7-3/21A  
was personally present and did see Dmitry N. Tylik (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

Mazur (signature of first witness)

Signed at St. Petersburg (location of witness signature)

on this day July 11 of 2014. (date of signature)

I, Yuri Zagrebini (name) whose residential address is  
199155, St. Petersburg, Korabel'skoye shosse 36, 239  
was personally present and did see Dmitry N. Tylik (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

Zagrebini (signature of second witness)

Signed at St. Petersburg (location of witness signature)

on this day July 11 of 2014. (date of signature)

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

**ASSIGNMENT**

**WHEREAS**, I, Yuri Alexandrovich Stotski, 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

**FLEXIBLE LICENSING ARCHITECTURE**

which is further identified by Attorney Docket Number 1003-258.001;

**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;

**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 countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

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 ( 14/369,091, Filed June 26, 2014 ) 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.: 1003-258.001  
EMC Docket No.: EMC-13-0497

Date: 10-July-2014

[Signature]  
Inventor's Signature

Print full name of first inventor: Yuri Alexandrovich Stotski  
Residence: Engelsa Pr. 21-30  
194156 St. Petersburg, Russian Federation  
Citizenship: RU  
Mailing Address: Same as above

I, Ivan Gumenyuk (name) whose residential address is  
Stojkosti, 26/3, apt. 58, 198261 St. Petersburg, Russia  
was personally present and did see Yuri Stotski (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

[Signature] (signature of first witness)

Signed at St. Petersburg (location of witness signature)

on this day July 10 of 2014. (date of signature)

I, Vasily Tolstoy (name) whose residential address is  
ul. Fedoseenko, 30, apt. 48, 195197, St. Petersburg, Russia  
was personally present and did see Yuri Stotski (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

[Signature] (signature of second witness)

Signed at St. Petersburg (location of witness signature)

on this day July 10 of 2014. (date of signature)



**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

**ASSIGNMENT**

**WHEREAS**, I, Alexander Georgievich Akopyan, 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

**FLEXIBLE LICENSING ARCHITECTURE**

which is further identified by Attorney Docket Number 1003-258.001;

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**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 countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

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

A handwritten signature in black ink, consisting of a stylized 'A' followed by a horizontal line and a small flourish.

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

Date:

July 14, 2014



Inventor's Signature

Print full name of first inventor:

Alexander Georgievich Akopyan

Residence:

Shkolnaya St. 12, 62

197183 St. Petersburg, Russian Federation

Citizenship:

RU

Mailing Address:

Same as above

I Oksana Nekrasova (name) whose residential address is  
Russia, Saint-Petersburg Nepokorennih 16-1-447  
was personally present and did see Alexander Akopyan (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

MAT (signature of first witness)

Signed at EMC office (location of witness signature)

on this day July, 14th of 2014. (date of signature)

I Aleksei Martynov (name) whose residential address is  
Russia, Saint-Petersburg, Vitebskiy pr. 51-1-36  
was personally present and did see Alexander Akopyan (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

Aleksi (signature of second witness)

Signed at St Petersburg, EMC office (location of witness signature)

on this day July, 14 of 2014. (date of signature)

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

**ASSIGNMENT**

**WHEREAS**, I, Alexander Vladimirovich Sorotsky, 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

**FLEXIBLE LICENSING ARCHITECTURE**

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**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 countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any

**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

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**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

Date: 07.25.14

  
\_\_\_\_\_  
Inventor's Signature

Print full name of first inventor: Alexander Vladimirovich Sorotsky  
Residence: Brusovskaya St. 6-77  
195271 St. Petersburg, Russian Federation  
Citizenship: RU  
Mailing Address: Same as above


I Dmitry Kolyanov (name) whose residential address is  
SPB Levinsky pr. 75/2-238  
\_\_\_\_\_ was personally present and did see Alexander Sorotsky (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

  
\_\_\_\_\_ (signature of first witness)

Signed at EMC office (location of witness signature)

on this day 7/25 of 2014. (date of signature)

I Sergey Kovalov (name) whose residential address is  
SPB Fedora Abramova st. 8-1829  
\_\_\_\_\_ was personally present and did see Alexander Sorotsky (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

  
\_\_\_\_\_ (signature of second witness)

Signed at EMC office (location of witness signature)

on this day 7/25 of 2014. (date of signature)

**ASSIGNMENT**

**WHEREAS**, I, Stanislav Yevgenyevich Gorshkov, 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

**FLEXIBLE LICENSING ARCHITECTURE**

which is further identified by Attorney Docket Number 1003-258.001;

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**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;

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**PATENT ASSIGNMENT**  
**Attorney Docket No.: 1003-258.001**  
**EMC Docket No.: EMC-13-0497**

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PATENT ASSIGNMENT  
Attorney Docket No.: 1003-258.001  
EMC Docket No.: EMC-13-0497

Date: July, 10, 2014

  
Inventor's Signature

Print full name of first inventor: Stanislav Yevgenyevich Gorshkov  
Residence: Beringa St., Bld. 27/2, Apt.23  
199406 St. Petersburg, Russian Federation  
Citizenship: RU  
Mailing Address: Same as above

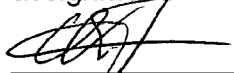
I Morov Ilya (name) whose residential address is  
St. Petersburg, Vanshouskaya st. 19. #2  
was personally present and did see Stanislav Gorshkov (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

 / Morov I. (signature of first witness)

Signed at EMC office (location of witness signature)

on this day 10.07.2014 of 2014. (date of signature)

I Petrov Alexander (name) whose residential address is  
Vavilovich st, 11/6 St. Petersburg, Russia  
was personally present and did see Stanislav Gorshkov (name  
of person signing the assignment) who is personally known to me, execute the above  
assignment.

 / Petrov A. (signature of second witness)

Signed at 10. EMC office (location of witness signature)

on this day 10.07.2014 of 2014. (date of signature)