

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4753746

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MIKHAIL TOLSTOY	07/04/2017
KARYN KELLEY	06/28/2017
LARRY MCCLOSKEY	12/18/2017
IGOR MATVEEVSKIY	07/04/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC IP HOLDING COMPANY LLC
<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>	15640013
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	paula.hardilek@chamberlainlaw.com
<b>Correspondent Name:</b>	PAULA HARDILEK
<b>Address Line 1:</b>	1200 SMITH ST., 14TH FLOOR
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002
<b>ATTORNEY DOCKET NUMBER:</b>	170360-013900US
<b>NAME OF SUBMITTER:</b>	ALY Z. DOSSA
<b>SIGNATURE:</b>	/Aly Z. Dossa/
<b>DATE SIGNED:</b>	12/28/2017
<b>Total Attachments: 6</b>	
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## ASSIGNMENT

**WHEREAS**, we, Mikhail Tolstoy, Karyn Kelley, Larry McCloskey and Igor Matveevskiy 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 *MECHANISM FOR NON-DISRUPTIVE VIRTUAL TAPE DRIVES REMOVAL AND RECONFIGURATION*, 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 June 30, 2017 as U.S. Application No. 15/640,013;
- was patented under U.S. Patent No. \_\_\_\_\_ on \_\_\_\_\_.

**WHEREAS**, EMC IP Holding Company (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;

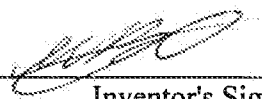
**AND**, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal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

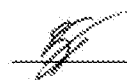
Date: 4th July 2011



.....  
Inventor's Signature

Print full name of first inventor: Mikhail TOLSTOY  
Residence: Russia  
Citizenship: Russia  
Mailing Address: c/o EMC IP Holding Company LLC  
176 South Street  
Hopkinton, MA 01748

I Ivan Kuznetsov (name) whose residential address is  
195009, Saint-Petersburg, Komarov str., 13 Fl. 10  
was personally present and did see Mikhail Tolstoy (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

..... (signature of first witness)

Signed at Dell EMC Russia COE (location of witness signature)

on this day 4th July of 2011. (date of signature)

I Vladislav Alexeev (name) whose residential address is  
196128, Saint-Petersburg, Novozmayevskiy prosp. 16, Building 3  
was personally present and did see Mikhail Tolstoy (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

..... (signature of second witness)

Signed at Dell EMC Russia COE (location of witness signature)

on this day 4th July of 2011. (date of signature)

Date: 6/28/17

Karyn Kelley  
Inventor's Signature

Print full name of second inventor: Karyn KELLEY  
Residence: US  
Citizenship: US  
Mailing Address: c/o EMC IP Holding Company LLC  
176 South Street  
Hopkinton, MA 01748

I Steven Kelley (name) whose residential address is  
2 Goldthwaite Pl Peabody, MA 01960  
was personally present and did see Karyn Kelley (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

SK Kelley (signature of first witness)

Signed at Peabody, MA (location of witness signature)

on this day June 28 of 20 17 (date of signature)

I KATELYN KELLEY (name) whose residential address is  
2 GOLDTHWAITE PLACE PEABODY, MA 01960  
was personally present and did see KARYN KELLEY (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Kate Kelly (signature of second witness)

Signed at PEABODY, MA (location of witness signature)

on this day JUNE 28 of 20 17 (date of signature)

Date: 12-18-2017

  
Inventor's Signature

Print full name of third inventor:

Larry MCCLOSKEY

Residence:

US

Citizenship:

US

Mailing Address:

c/o EMC IP Holding Company LLC  
176 South Street  
Hopkinton, MA 01748

I Kathleen Clark (name) whose residential address is  
170 Grantsdale Cutoff Rd. Hamilton, MT 59840  
was personally present and did see Larry McCloskey (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Kathleen Clark (signature of first witness)

Signed at Hamilton, MT (location of witness signature)

on this day Dec. 18<sup>th</sup> of 20 17 (date of signature)

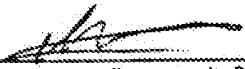
I MARK CLARK (name) whose residential address is  
170 GRANTSDALE CUTOFF RD HAMILTON MT 59840  
was personally present and did see LARRY MCCLOSKEY (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Mark Clark (signature of second witness)

Signed at HAMILTON MT (location of witness signature)

on this day DECEMBER 18 of 20 17 (date of signature)

Date: 07/04/2017

  
Inventor's Signature

Print full name of third inventor:

Igor MATVEEVSKIY

Residence:

Russia

Citizenship:

Russia

Mailing Address:

c/o EMC IP Holding Company LLC  
176 South Street  
Hopkinton, MA 01748

I Dmitrii Burnaev (name) whose residential address is  
Russia, Spb, Vayzemskii Line, 5-7

was personally present and did see Igor Matveevskiy (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

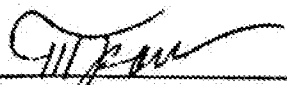
  
(signature of first witness)

Signed at Litz Hotel, Bissingen (location of witness signature)

on this day 04 July of 2017. (date of signature)

I Aleksei Troshikhin (name) whose residential address is  
Russia, S. P. Babushkina str. 51-224

was personally present and did see Igor Matveevskiy (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

  
(signature of second witness)

Signed at Hotel Litz, Bissingen (location of witness signature)

on this day 04 July of 2017 (date of signature)