

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3818202

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TAL BEN-MOSHE	04/04/2016
ELI DORFMAN	04/04/2016
KIRILL SHOIKHET	04/04/2016
DAVID KRAKOV	04/04/2016
ROMAN VAINBRAND	04/04/2016
NOA COHEN	04/04/2016
<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>
<b>Application Number:</b>	15079213
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(781)401-9966
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<b>Correspondent Name:</b>	DALY, CROWLEY, MOFFORD & DURKEE, LLP
<b>Address Line 1:</b>	354A TURNPIKE STREET
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<b>Address Line 4:</b>	CANTON, MASSACHUSETTS 02021-2714
<b>ATTORNEY DOCKET NUMBER:</b>	EMC-301PUS
<b>NAME OF SUBMITTER:</b>	KRISTOFFER W. LANGE
<b>SIGNATURE:</b>	/Kristoffer W. Lange/
<b>DATE SIGNED:</b>	04/06/2016

**Total Attachments: 8**

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## ASSIGNMENT

WHEREAS, we, Tal Ben-Moshe, Eli Dorfman, Kirill Shoikhet, David Krakov, Roman Vainbrand and Noa Cohen, 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 MEMORY ALLOCATION BALANCING FOR STORAGE SYSTEMS and identified as Attorney Docket No. EMC-301PUS, 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 March 24, 2016 as U.S. Application No. 15/079,213;
- 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 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, 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;

AND, we hereby authorize attorneys that we have appointed and EMC Corporation to insert here in parenthesis (\_\_\_\_\_) 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, we have hereunto set our hands and affixed our seals as set forth below:

Date: 9.9.16

[Signature]  
Inventor's Signature

Print full name of first inventor: Tal Ben-Moshe

Residence: Yitzaq Rabin 18  
Kiryat Ono 55000  
ISRAEL

Citizenship: Israel

Mailing Address: Same as above

I, Masa Ben Yosef (name of first witness), whose residential address is  
Ha'nofar St. 4, Netanya, ISRAEL

was personally presented and did see Tal Ben-Moshe who is personally known to me, execute the above assignment.

[Signature] (signature of first witness)

Signed at Kibutz Gil Yam, Herzeliya (location of witness signature)

on this day April 3rd, 2016, (date of witness signature)

I, Granit Keren (name of second witness), whose residential address is  
Bar-Ilan 2 Herzeliya, ISRAEL

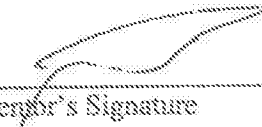
was personally presented and did see Tal Ben-Moshe who is personally known to me, execute the above assignment.

G. Keren (signature of second witness)

Signed at Kibutz Gil-Yam, Herzeliya (location of witness signature)

on this day April 3rd, 2016 (date of witness signature)

Date: 4/4/16

  
Inventor's Signature


Print full name of first inventor: Eli Dorfman

Residence: 60B Hankin  
Raanana 43465  
ISRAEL

Citizenship: Israel

Mailing Address: Same as above

I, Mazal Ben Josef (name of first witness), whose residential address is  
Hainofar St. 4 Netanya, ISRAEL  
was personally presented and did see Eli Dorfman who is personally known to me, execute the  
above assignment.

  
(signature of first witness)  
Signed at Kibbutz Gil Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 20 16 (date of witness signature)

I, Granit Keren (name of second witness), whose residential address is  
Bar Dan 2 Herzeliya, Israel  
was personally presented and did see Eli Dorfman who is personally known to me, execute the  
above assignment.

I, G. Keren (signature of second witness)  
Signed at Kibbutz Gil Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 20 16 (date of witness signature)

Date: 4/4/16

  
Inventor's Signature


Print full name of first inventor: Kirill Shoikhet

Residence: HaShahar 49  
Raanana 4356425  
ISRAEL

Citizenship: Israel

Mailing Address: Same as above

I, Mazal Ben Yosef (name of first witness), whose residential address is  
Ha'nufer st 4, Natanya, ISRAEL  
was personally presented and did see Kirill Shoikhet who is personally known to me, execute the  
above assignment.

  
(signature of first witness)  
Signed at Kibbutz Gil Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 20 16 (date of witness signature)

I, Granit Keron (name of second witness), whose residential address is  
Bar Ilan 2, Herzeliya, ISRAEL  
was personally presented and did see Kirill Shoikhet who is personally known to me, execute the  
above assignment.

I, G. Keron (signature of second witness)  
Signed at Kibbutz Gil-Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 20 16 (date of witness signature)

Date: 4.6.16

[Signature]  
Inventor's Signature

Print full name of first inventor: David Krakov

Residence: HaPodim 38B  
Ramat Gan  
ISRAEL

Citizenship: Israel

Mailing Address: Same as above

I, Mazal Ben Yosef (name of first witness), whose residential address is  
Hanafar 4, Netanya, ISRAEL  
was personally presented and did see David Krakov who is personally known to me, execute the  
above assignment.


[Signature] (signature of first witness)  
Signed at Kibutz Gil Yam, Hertzeliya (location of witness signature)  
on this day April 3rd, 2016 (date of witness signature)

I, Keren Granit (name of second witness), whose residential address is  
Bar Ilan 2, Herzeliya, Israel  
was personally presented and did see David Krakov who is personally known to me, execute the  
above assignment.

I, Granit Keren (signature of second witness)  
Signed at Kibutz Gil Yam, Hertzeliya (location of witness signature)  
on this day April 3rd, 2016 (date of witness signature)



Date: 4/6/16

  
Inventor's Signature


Print full name of first inventor: Roman Vainbrand

Residence: David Zhavi 10  
Kfar Saba  
ISRAEL

Citizenship: Israel

Mailing Address: Same as above

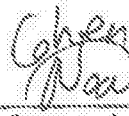
I, Mazal Ben Yosef (name of first witness), whose residential address is  
Hainafar St, U Metanya, ISRAEL,  
was personally presented and did see Roman Vainbrand who is personally known to me, execute the  
above assignment.

  
(signature of first witness)  
Signed at Kibbutz Gil Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 20 16 (date of witness signature)

I, Ganit Keren (name of second witness), whose residential address is  
Bar Ibn 2, Herzeliya, ISRAEL,  
was personally presented and did see Roman Vainbrand who is personally known to me, execute the  
above assignment.

I, G. Keren (signature of second witness)  
Signed at Kibbutz Gil-Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 20 16 (date of witness signature)

Date: 4/4/16



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

Print full name of first inventor: Noa Cohen  
Residence: Shimoni 23  
Tel Aviv  
ISRAEL  
Citizenship: Israel  
Mailing Address: Same as above

I, Mazal Ben Yosef (name of first witness), whose residential address is  
Ha'nofar st. 4, Netanya, ISRAEL  
was personally presented and did see Noa Cohen who is personally known to me, execute the above  
assignment.



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

Signed at kibutz Gil Yam, Hertzliya (location of witness signature)  
on this day April 3rd, 2016 (date of witness signature)

I, Granit Keren (name of second witness), whose residential address is  
Bar Ilan 2, Herzeliya, ISRAEL  
was personally presented and did see Noa Cohen who is personally known to me, execute the above  
assignment.

I, G.keren (signature of second witness)

Signed at Kibbutz Gil-Yam, Herzeliya (location of witness signature)  
on this day April 3rd, 2016 (date of witness signature)