

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
XIALI HE	04/07/2017
JOHN W. BATES	04/07/2017
SLAVIK NEYMER	04/07/2017
ARIEH DON	04/10/2017
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State/Country:	MASSACHUSETTS
Postal Code:	01748
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15491230
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ATTORNEY DOCKET NUMBER:	130-168 EMC-16-0610
NAME OF SUBMITTER:	HOLMES W. ANDERSON
SIGNATURE:	/Holmes W. Anderson/
DATE SIGNED:	04/19/2017
Total Attachments: 6	
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ASSIGNMENT

WHEREAS, we, Xiali He, John W. Bates, Slavik Neymer and Arieh Don have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for **CLOUD STORAGE REPLICA OF A STORAGE ARRAY DEVICE**, 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 IP Holding Company LLC (hereinafter "ASSIGNEE"), a Delaware limited liability company 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: 4/7/2017

[Signature]
Inventor's Signature

Print full name of first inventor: **Xiali He**
Residence: 33 Howarth Drive
Upton, MA 01568
Citizenship: USA
Mailing Address: 33 Howarth Drive
Upton, MA 01568

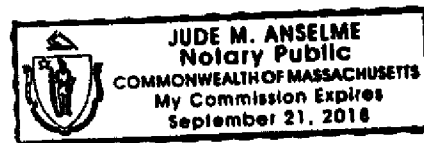
STATE/COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 7th day of April, 2017, then personally appeared before me the above-named Xiali He known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

[Signature]
Notary Public

Print Name: JUDE M. ANSELME

My Commission expires 09/21/2018



Date: 4/7/2017

John W. Bates
Inventor's Signature

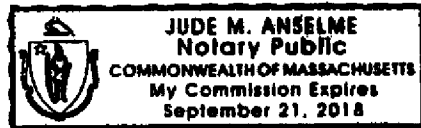
Print full name of second inventor: **John W. Bates**
Residence: 12 Oak Hill Road
Mendon, MA 01756
Citizenship: USA
Mailing Address: 12 Oak Hill Road
Mendon, MA 01756

~~STATE~~ COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 7th day of April, 2017, then personally appeared before me the above-named John W. Bates known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Jude M. Anselme
Notary Public

Print Name: JUDE M. ANSELME
My Commission expires 09/21/2017.



Date: 7/ April / 77

Slavik Neymer
Inventor's Signature

Print full name of third inventor:

Slavik Neymer

Residence:

68 Frishman St.
Tel Aviv 6438314
Israel

Citizenship:

Israel

Mailing Address:

68 Frishman St.
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Israel


Witness Signature

Michal Bar-Lev
Witness Name (Print)


Witness Signature

Stas Garbovitsky
Witness Name (Print)

Date: 4.10.16

AD
Inventor's Signature

Print full name of fourth inventor: **Arieh Don**
Residence: 45 Dexter Rd.
Newton, MA 02460
Citizenship: US
Mailing Address: 45 Dexter Rd.
Newton, MA 02460

~~STATE~~ COMMONWEALTH OF MASSACHUSETTS
COUNTY OF MIDDLESEX

On this 10th day of April, 2017, then personally appeared before me the above-named Arieh Don known to me through satisfactory evidence of identification employee identification card; driver's license; (other) _____ to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he/she executed the same as his/her free act and deed for the purposes therein contained.

Jude M. Anselme
Notary Public
Print Name: JUDE M. ANSELME
My Commission expires 09/21/2018

