

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4647297

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	LU LEI	09/25/2017
	RONNIE YU CAI	09/25/2017
	CHEN WANG	09/22/2017
	GARY JIALEI WU	09/25/2017
	AO SUN	09/25/2017
RECEIVING PARTY DATA		
Name:	EMC IP HOLDING COMPANY LLC	
Street Address:	176 SOUTH STREET	
City:	HOPKINTON	
State/Country:	MASSACHUSETTS	
Postal Code:	01748	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15710956	
CORRESPONDENCE DATA		
Fax Number:		
<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>		
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Correspondent Name:	EMC IP HOLDING COMPANY LLC	
Address Line 1:	176 SOUTH STREET	
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ATTORNEY DOCKET NUMBER:	EMC-16-0497.02	
NAME OF SUBMITTER:	AMANDA M. BERNIER	
SIGNATURE:	/Amanda M. Bernier/	
DATE SIGNED:	10/18/2017	
Total Attachments: 7		
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ASSIGNMENT

WHEREAS, we, Lu Lei, Chen Wang, Gary Jialei Wu, Ronnie Yu Cai and Ao Sun 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 ***METHOD AND DEVICE FOR STORING DATA*** (Application), 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 September 21, 2017 as U.S. Application No. 15/710,956;

☐ was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a limited liability company organized and existing under the laws of the State of Delaware 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;

AND, we hereby authorize our attorneys, EMC IP Holding Company LLC, to insert here in parenthesis (15/710,956 filed September 21, 2017) 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: 2017.09.25

Lu Lei

Inventor's Signature

Full Name:

Lu Lei

Residence:

KIC2 Building 2 Floor 2, Songhu Road No.252

Yangpu district

Shanghai, CN

Citizenship:

CN

Mailing Address:

Same as above

I, Dong Wang (name of first witness), whose residential address is

26-1202, 399 Zhujiaogang RD, Shanghai, China

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

Dong Wang (signature of first witness)

Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)

on this day, Sept 25, 2017 (date of signature).

I, Wanghe Gao (name of second witness), whose residential address is

Room 501, Kai Lu Xin Cun, Yangpu Shanghai China

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

Wanghe Gao (signature of second witness)

Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)

on this day, Sept 25, 2017 (date of signature).

Date: 2017. Sep. 25.

Ronnie Cai

Inventor's Signature

Full Name:

Ronnie Yu Cai

Residence:

Room 601, Block 6, Lane 475, XinHu Road
BaoShan District
Shanghai, CN 200442

Citizenship:

CN

Mailing Address:

Same as above

I, Dong Wang (name of first witness), whose residential address is
26-1202, 399 Zhujiaogang RD, 201318, Shanghai, China
was personally present and did see Ronnie Yu Cai (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Dong Wang (signature of first witness)
Signed at BLDG 2, 352 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

I, Wayne Gao (name of second witness), whose residential address is
Room 501, Kailu Xincun, Yangpu, Shanghai, China
was personally present and did see Ronnie Yu Cai (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Wayne Gao (signature of second witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

Date: 2017-9-22

Chen Wang
Inventor's Signature

Full Name: **Chen Wang**
Residence: Room 10-602, 88 SanJiang Rd.
Shanghai CN 200235
Citizenship: CN
Mailing Address: Same as above

I, Dong Wang (name of first witness), whose residential address is
26-1202, 399 Zhujiaogang RD, 201318, Shanghai, China
was personally present and did see Chen Wang (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Dong Wang (signature of first witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

I, Wayne Gao (name of second witness), whose residential address is
Poombet, Kasluxincun Yangpu Shanghai, China
was personally present and did see Chen Wang (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Wayne Gao (signature of second witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

Date: 2017.09.25

Gary Jialei Wu

Inventor's Signature

Full Name:

Gary Jialei Wu

Residence:

Room 501, Building 49, Lane 68, Xin
Shanghai, CN 200442

Citizenship:

CN

Mailing Address:

Same as above

I, Dong Wang (name of first witness), whose residential address is
26-1202, 399 Zhujiaogang RD, 201318, Shanghai, China
was personally present and did see Gary Jialei Wu (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Dong Wang (signature of first witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

I, Wayne Gao (name of second witness), whose residential address is
Room 501, Building 49, Lane 68, Xin Shanghai, China
was personally present and did see Gary Jialei Wu (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Wayne Gao (signature of second witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

Date: 2017.9.25

Ao Sun
Inventor's Signature

Full Name: Ao Sun
Residence: KIC 2, 252 Songhu Road, Yangpu
Shanghai, CN
Citizenship: CN
Mailing Address: Same as above

I, Dong Wang (name of first witness), whose residential address is
26-1202, 399 Zhujiagang RD, 201318, Shanghai, China
was personally present and did see Ao Sun (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Dong Wang (signature of first witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept. 25th, 2017 (date of signature).

I, Wayne Gao (name of second witness), whose residential address is
Room 601, Baixin Road, Yangpu Shanghai, China
was personally present and did see Ao Sun (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Wayne Gao (signature of second witness)
Signed at BLDG 2, 252 Songhu RD, Shanghai, China (location of witness signature)
on this day, Sept 25, 2017 (date of signature).