

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4923332

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WAYNE WEIHUA LI	04/09/2018
JIAN GAO	04/09/2018
HONGPO GAO	04/09/2018
JAMIN KANG	04/09/2018
XINLEI XU	04/09/2018
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:	15954929
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>	
Email:	Holly_Vigliatura@dell.com
Correspondent Name:	EMC IP HOLDING COMPANY LLC
Address Line 1:	176 SOUTH STREET
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ATTORNEY DOCKET NUMBER:	EMC-17-0020.02
NAME OF SUBMITTER:	HOLLY VIGLIATURA
SIGNATURE:	/Holly Vigliatura/
DATE SIGNED:	04/19/2018
Total Attachments: 8	
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ASSIGNMENT

WHEREAS, we, Wayne Weihua Li, Jian Gao, Hongpo Gao, Jamin Kang, Xinlei Xu, and Tao Xu, 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 MANAGING DISK POOL** (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 April 17, 2018 as U.S. Application No. 15/954929;
- was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC IP Holding Company LLC (hereinafter "ASSIGNEE"), a corporation 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 (15/954929 filed April 17, 2018) 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: 2018.4.9

Wayne Weihua Li
Inventor's Signature

Print full name of inventor

Wayne Weihua Li

8/F Tsinghua Science Park

No.1 Zhongguancun East Road

Residence

Beijing, China 100084

Citizenship

China (People's Republic)

Mailing Address

Same as above


I, Chun Ma (name of first witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Wayne Weihua Li** (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Chun Ma (signature of first witness)
Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

I, Ping Ge (name of second witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Wayne Weihua Li** (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Ping Ge (signature of second witness)
Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

Date: 2018.4.9


Inventor's Signature

Print full name of inventor

Jian Gao

8/F Tsinghua Science Park

No.1 Zhongguancun East Road

Residence

Beijing, China 100084

Citizenship

China (People's Republic)

Mailing Address

Same as above

I, ~~77, Block D~~ Chun Ma (name of first witness), whose residential address is 77, Block D, Tsinghua Science Park, Haidian, Beijing was personally present and did see **Jian Gao** (name of person signing the assignment), who is personally known to me, execute the above assignment.

Chun Ma (signature of first witness)

Signed at 77, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

I, Ping Ge (name of second witness), whose residential address is 7F, Block D, Tsinghua Science Park, Haidian, Beijing was personally present and did see **Jian Gao** (name of person signing the assignment), who is personally known to me, execute the above assignment.

Ping Ge (signature of second witness)

Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

Date: 2018.4.9

Hongpo Gao
Inventor's Signature

Print full name of inventor

Hongpo Gao

Residence

5-301 Building 1, Longyue Street No 10

Changping District,

Beijing, China 100084

Citizenship

China (People's Republic)

Mailing Address

Same as above

I, Chun Ma (name of first witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Hongpo Gao** (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Chun Ma (signature of first witness)

Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

I, Ping Ge (name of second witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Hongpo Gao** (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Ping Ge (signature of second witness)

Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

Date: 2018.4.9

Jamin Kang
Inventor's Signature

Print full name of inventor

Jamin Kang

Residence

13#902 Wenhui Yuan, Haidian District

Beijing, China 100082

Citizenship

China (People's Republic)

Mailing Address

Same as above

I, Chun Ma (name of first witness), whose residential address is
77, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Jamin Kang** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Chun Ma (signature of first witness)
Signed at 77, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

I, Ping Ge (name of second witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Jamin Kang** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Ping Ge (signature of second witness)
Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

Date: 2018.4.9

Xinlei Xu
Inventor's Signature

Print full name of inventor

Xinlei Xu

Residence

6-6-602, Tiantongyuan Zhong Yuan
Beijing, China 100010

Citizenship

China (People's Republic)

Mailing Address

Same as above

I, Chuan Ma (name of first witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Xinlei Xu** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Chuan Ma (signature of first witness)
Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

I, Ping Ge (name of second witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Xinlei Xu** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Ping Ge (signature of second witness)
Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

Date: 4/9/2018

Tao Xu
Inventor's Signature

Print full name of inventor

Tao Xu

Residence

Room 2303, Unit 1, Building 6
No.8 Zhongtancun Street, Dongxiaokou
Beijing, China 102218

Citizenship

China (People's Republic)

Mailing Address

Same as above

I, Chun Ma (name of first witness), whose residential address is
77, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Tao Xu** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Chun Ma (signature of first witness)
Signed at 77, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).

I, Ping Ge (name of second witness), whose residential address is
7F, Block D, Tsinghua Science Park, Haidian, Beijing
was personally present and did see **Tao Xu** (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Ping Ge (signature of second witness)
Signed at 7F, Block D, Tsinghua Science Park, Haidian, Beijing (location of witness signature)
on this day, 4/9, 2018 (date of signature).