

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DENING XU | 09/18/2018 |
| FENG OU | 09/18/2018 |
| QINGXIAO ZHENG | 09/18/2018 |
| 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: | 16137211 |
| CORRESPONDENCE DATA | |
| Fax Number: | (310)820-5988 |
| <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> | |
| Phone: | 404-872-7000 |
| Email: | bstzFIPGroup@wbd-us.com, john.tung@wbd-us.com |
| Correspondent Name: | WOMBLE BOND DICKINSON (US) LLP ATTN: IP |
| Address Line 1: | P.O. BOX 7037 |
| Address Line 4: | ATLANTA, GEORGIA 30357-0037 |
| ATTORNEY DOCKET NUMBER: | 206368.0428.6 (P267) |
| NAME OF SUBMITTER: | ZI WANG |
| SIGNATURE: | /Zi Wang/ |
| DATE SIGNED: | 10/09/2018 |
| Total Attachments: 5 | |
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ASSIGNMENT

WHEREAS, we, Dening XU, Feng OU, and Qingxiao ZHENG, 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 **PARTITION LEVEL RESTORE** (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 _____ as U.S. Application No. _____;
- ☐ 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 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;

AND, we hereby authorize our attorneys, EMC IP Holding Company LLC, to insert here in parentheses () 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:

18/sep/18

Dening Xu

Inventor's Signature

Print full name of first inventor:

Dening XU

Residence:

Unit# 2-2-2303, Longhu San Qian Cheng
218 Jian Ye Rd., Chenghua district
Chengdu, Sichuan 610000, China

Citizenship:

China

Mailing Address:

Same as above

I Bao Li Guo (name) whose residential address is No. 219 Tian Hua street, chengdu Hi-Tech zone was personally present and did see Dening Xu (name of person signing the assignment) who is personally known to me, execute the above assignment.

Bao Li Guo (signature of first witness)

Signed at C11-17, chengdu Hi-Tech zone (location of witness signature)

on this day 09/18 of 2018, (date of signature)

I Qin. Liu (name) whose residential address is No. 219 Tian Hua street, chengdu Hi-Tech zone was personally present and did see Dening Xu (name of person signing the assignment) who is personally known to me, execute the above assignment.

Qin. Liu (signature of second witness)

Signed at C11-17, chengdu Hi-Tech zone (location of witness signature)

on this day 09/18 of 2018, (date of signature)

Date: 18/sep/18 Feng Ou
Inventor's Signature

Print full name of first inventor:

Feng OU

Residence:

XinHongJiYueCheng
HuaYangJieDao HaiChangLu No.133
Tianfu New Area, Chengdu, Sichuan 610000, China

Citizenship:

China

Mailing Address:

Same as above

I Baoli Guo (name) whose residential address is No. 219, Tian Hua street, chengdu Hi-Tech Zone was personally present and did see Feng Ou (name of person signing the assignment) who is personally known to me, execute the above assignment.

Baoli Guo (signature of first witness)

Signed at C11-17, chengdu Hi-Tech Zone (location of witness signature)

on this day 09/18 of 20 18 (date of signature)

I Qin. Liu (name) whose residential address is No. 219, Tian Hua street, Chengdu Hi-Tech Zone was personally present and did see Feng Ou (name of person signing the assignment) who is personally known to me, execute the above assignment.

Qin. Liu (signature of second witness)

Signed at C11-17, Chengdu Hi-Tech Zone (location of witness signature)

on this day 09/18 of 20 18 (date of signature)

Date: 18/Sep/2018

Qing Xiao Zheng
Inventor's Signature

Qingxiao ZHENG

Print full name of first inventor:

Residence:

#1601, Unit 3, Building 1, GuangHuaMeiLin (#855, YuYu Road) QingYang, Chengdu, Sichuan, 610071, China

Citizenship:

China

Mailing Address:

Same as above

I Baoli Guo (name) whose residential address is No. 219, TianHua street, chengdu Hi-Tech zone was personally present and did see Qing Xiao Zheng (name of person signing the assignment) who is personally known to me, execute the above assignment.

Baoli Guo (signature of first witness)

Signed at C11-17, chengdu Hi-Tech zone (location of witness signature)

on this day 09/18 of 20 18. (date of signature)

I Qin Liu (name) whose residential address is No. 219, TianHua street, Chengdu Hi-Tech zone was personally present and did see Zheng Qing Xiao (name of person signing the assignment) who is personally known to me, execute the above assignment.

Qin Liu (signature of second witness)

Signed at C11-17, Chengdu Hi-Tech zone (location of witness signature)

on this day 09/18 of 20 18. (date of signature)