

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5120020

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YI WANG	07/05/2018
QUINGZIAO ZHENG	07/05/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EMC IP HOLDING COMPANY LLC
<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>
Application Number:	16117585
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	7136581818
<b>Email:</b>	courtney.graves@chamberlainlaw.com
<b>Correspondent Name:</b>	CHAMBERLAIN HRDLICKA
<b>Address Line 1:</b>	ALY Z. DOSSA
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002
<b>ATTORNEY DOCKET NUMBER:</b>	170360-024000US
<b>NAME OF SUBMITTER:</b>	ALY Z. DOSSA
<b>SIGNATURE:</b>	/Aly Z. Dossa/
<b>DATE SIGNED:</b>	08/30/2018
<b>Total Attachments: 4</b>	
source=170360-024000US_Assignment#page1.tif	
source=170360-024000US_Assignment#page2.tif	
source=170360-024000US_Assignment#page3.tif	
source=170360-024000US_Assignment#page4.tif	

ASSIGNMENT

WHEREAS, we, Yi Wang 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 *METHOD, APPARATUS AND COMPUTER PROGRAM PRODUCT FOR DATA BACKUP* 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 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 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: July 5, 2018

Yi Wang  
Inventor's Signature

Print full name of second inventor: Yi Wang  
Residence: Chengdu  
Citizenship: China  
Mailing Address: c/o EMC IP Holding Company LLC  
176 South Street  
Hopkinton, Massachusetts 01748

I Guangwei Yang (name) whose residential address is  
Fushua Road 1606#, BaoliXinYu 6-1, Chengdu, Sichuan Province, China  
was personally present and did see Yi Wang (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Guangwei Yang (signature of first witness)

Signed at Chengdu, China (location of witness signature)

on this day 5th July of 20 18. (date of signature)

I Lanjun Liao (name) whose residential address is  
Yuanda Langlang Community 45-28-03 Jieerwan street Chengdu, Sichuan Prov, China  
was personally present and did see Yi Wang (name of person signing  
the assignment) who is personally known to me, execute the above assignment.

Lanjun, Liao (signature of second witness)

Signed at Chengdu, China (location of witness signature)

on this day 5th, July of 20 18. (date of signature)

Date: 07/05/2018

Qingxiao Zheng  
Inventor's Signature

Print full name of second inventor: **Qingxiao Zheng**  
Residence: Chengdu  
Citizenship: China  
Mailing Address: c/o EMC IP Holding Company LLC  
176 South Street  
Hopkinton, Massachusetts 01748

I Guangwei Yang (name) whose residential address is Fuhua Road 1666 #, BaoliXinYu 6-1, Chengdu, Sichuan Province, China was personally present and did see Qingxiao Zheng (name of person signing the assignment) who is personally known to me, execute the above assignment.

Guangwei Yang (signature of first witness)

Signed at Chengdu, China (location of witness signature)

on this day 5th, July of 2018. (date of signature)

I Lanjuan Liao (name) whose residential address is Yuanda Long Lang Community 45-28-03 Jieyuan Street Chengdu, Sichuan Prov, China was personally present and did see Qingxiao Zheng (name of person signing the assignment) who is personally known to me, execute the above assignment.

Lanjuan Liao (signature of second witness)

Signed at Chengdu, China (location of witness signature)

on this day 5th, July of 2018. (date of signature)