

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WENBIN LU	10/27/2017
TIMOTHY BRUCE	03/24/2018
NEIL LI	03/06/2018
LEO LEI WANG	10/27/2017
XIAOFENG LUO	11/27/2017
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:	15764861
CORRESPONDENCE DATA	
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<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:	ALY Z. DOSSA
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ATTORNEY DOCKET NUMBER:	170360-018300US
NAME OF SUBMITTER:	COURTNEY GRAVES
SIGNATURE:	/Aly Z. Dossa/
DATE SIGNED:	04/04/2018
Total Attachments: 7	

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ASSIGNMENT

WHEREAS, we, Wenbin Lu, Timothy Bruce, Neil Li, Leo Lei Wang, and Xiaofeng Luo, 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 MANAGEMENT OF DATA USING TEMPLATES, 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: Oct 27, 2017

Wenbin Lu
Inventor's Signature

Print full name of first inventor: Wenbin LU
Residence: Shanghai, China
Citizenship: China
Mailing Address: c/o EMC IP Holding Company LLC
176 South Street
Hopkinton, MA 01748

I, Piero (name) whose residential address is
zhabei Dabang Road #918 Build 10
was personally present and did see Wenbin Lu (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Piero (signature of first witness)

Signed at Shanghai EMC office (location of witness signature)

on this day Oct 27 of 2017 (date of signature)

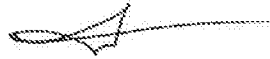
I, Teng (name) whose residential address is
Pu Dong Zao Yuan Road #8 602
was personally present and did see Wenbin Lu (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Teng (signature of second witness)

Signed at Shanghai EMC office (location of witness signature)

on this day Oct 27 of 2017 (date of signature)

Date: 3-24-2018



Inventor's Signature

Print full name of second inventor:

Timothy BRUCE

Residence:

Carrollton, TX, US

Citizenship:

United States

Mailing Address:

c/o EMC IP Holding Company LLC
176 South Street
Hopkinton, MA 01748

I William Theobald (name) whose residential address is
1302 Stonewood Drive Carrollton, TX
was personally present and did see Timothy Bruce (name of person signing
the assignment) who is personally known to me, execute the above assignment.

William Theobald (signature of first witness)

Signed at SAME (location of witness signature)

on this day 24 MARCH of 2018 (date of signature)

I Kathleen Theobald (name) whose residential address is
1302 Stonewood Dr. Carrollton, TX
was personally present and did see Timothy Bruce (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Kathleen Theobald (signature of second witness)

Signed at SAME (location of witness signature)

on this day MARCH 24 of 2018 (date of signature)

Date: Mar 6, 2018

Neil Li
Inventor's Signature

Print full name of third inventor: **Neil LI**
Residence: Shanghai, China
Citizenship: China
Mailing Address: c/o EMC IP Holding Company LLC
176 South Street
Hopkinton, MA 01748

I Wang Duocheng (name) whose residential address is
2-2-803, Beoli Zhong Yang Park, Chao Yang District, Beijing
was personally present and did see Neil Li (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Wang Duocheng (signature of first witness)
Signed at 7f, Motorola building, Beijing (location of witness signature)
on this day Mar 6, 2018 of 20 18. (date of signature)

I Wang Jie (name) whose residential address is
10-2-1602, Shihua Beijing Park, Chao Yang District, Beijing
was personally present and did see Neil Li (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Wang Jie (signature of second witness)
Signed at 7f, Motorola building Beijing (location of witness signature)
on this day Mar 6, 2018 of 20 18. (date of signature)

Date: Oct 27, 2017

Leo Lei Wang
Inventor's Signature

Print full name of fourth inventor: **Leo Lei WANG**
Residence: Shanghai, China
Citizenship: China
Mailing Address: c/o EMC IP Holding Company LLC
176 South Street
Hopkinton, MA 01748

I Pview (name) whose residential address is
Zhaohai Datong Road #1738 Build 10
was personally present and did see Leo Lei Wang (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Pview (signature of first witness)

Signed at Shanghai EMC office (location of witness signature)

on this day Oct 27 of 2017. (date of signature)

I Terry (name) whose residential address is
Pujiang Zaozhong Road #8
was personally present and did see Leo Lei Wang (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Terry (signature of second witness)

Signed at Shanghai EMC office (location of witness signature)

on this day Oct 27 of 2017. (date of signature)

Date: 27/11/2017

Xiaofeng Luo
Inventor's Signature

Print full name of fifth inventor: Xiaofeng LUO
Residence: Shanghai, China
Citizenship: China
Mailing Address: c/o EMC IP Holding Company LLC
176 South Street
Hopkinton, MA 01748

I Chen Kai (name) whose residential address is Shanghai, China
was personally present and did see Xiaofeng Luo (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Chen Kai (signature of first witness)

Signed at Shanghai, China (location of witness signature)

on this day 27/11/2017 of 20 (date of signature)

I Michelle Ma (name) whose residential address is Shanghai, China
was personally present and did see Xiaofeng Luo (name of person signing
the assignment) who is personally known to me, execute the above assignment.

Michelle Ma (signature of second witness)

Signed at Shanghai, China (location of witness signature)

on this day 27/11/2017 of 20 (date of signature)