

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JIANFEI YANG	04/30/2019
CHAOJUN ZHAO	04/30/2019
XIAOYU REN	04/30/2019
CHANGXU JIANG	04/30/2019
SRINIVASA R. CHAMARTHY	04/30/2019
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:	16402806
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	113454.00407/114341.01
NAME OF SUBMITTER:	CATHERINE LANGLAIS
SIGNATURE:	/Catherine Langlais/
DATE SIGNED:	05/03/2019
Total Attachments: 7	
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ASSIGNMENT

WHEREAS, we, Jianfei Yang, Chaojun Zhao, Xiaoyu Ren, Changxu Jiang, and Srinivasa R. Chamarthy 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 SELF-LEARNING FILE DELEGATION SYSTEM AND METHOD (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 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 Corporation, to insert here in parenthesis () 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: 2019/4/30

Jianfei Yang
Inventor's Signature

Print full name of inventor:

Jianfei Yang

Residence:

Chengdu, Sichuan, CHINA

Citizenship:

China

Mailing Address:

Vanke City Garden, 49A302
Changdu, Sichuan 610000
CHINA

I, Clyde Chen (name of first witness), whose residential address is
Building Sunshine Wutong Rd, Chengdu, SiChuan, China
was personally present and did see Jianfei Yang (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Clyde Chen (signature of first witness)
Signed at Chengdu, SiChuan, China (location of witness signature)
on this day, Apr. 30, 2019 (date of signature).

I, Yang Zhang (name of second witness), whose residential address is
Named Town, Zhong shang Rd, Chengdu, SiChuan, China
was personally present and did see Jianfei Yang (name of person signing the assignment), who
is personally known to me, execute the above assignment.

Yang Zhang (signature of second witness)
Signed at Chengdu, SiChuan, China (location of witness signature)
on this day, Apr. 30, 2019 (date of signature).

Date: 2019. 4. 30

Chaojun Zhao

Inventor's Signature

Print full name of inventor

Chaojun Zhao

Residence

Chengdu, Sichuan, CHINA

Citizenship

Mailing Address

Fu Hao Shi Dai #22-1-7,
Ying Chun Road 3-158 Shuangliu
Chengdu, Sichuan 610000
CHINA

I, Dong, Helen (name of first witness), whose residential address is
Jin Sha Bo Lin Jun #3-2-2004, Qing Bo Road, Chengdu, Sichuan, China
was personally present and did see Chaojun Zhao (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Dong, Helen (signature of first witness)
Signed at Chengdu, Sichuan, China (location of witness signature)
on this day, Apr. 30, 2019 (date of signature).

I, Chen, Clyde (name of second witness), whose residential address is
Building Sunshine, Wu Tong Rd, Chengdu, Sichuan, China
was personally present and did see Chaojun Zhao (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Chen, Clyde (signature of second witness)
Signed at Chengdu, Sichuan, China (location of witness signature)
on this day, Apr. 30, 2019 (date of signature).

Date: 2019/4/30

Xiaoyu Ren
Inventor's Signature

Print full name of inventor

Xiaoyu Ren

Residence

Chengdu, Sichuan, CHINA

Citizenship

China

Mailing Address

Xiangnian Square Building T1,
No. 88 Jitai Road, Tianfu Ave.
Chengdu, Sichuan 611830
CHINA

I, Zhang Kang (name of first witness), whose residential address is
Nanbin Town, Zhongsheng Rd, Chengdu, Sichuan, China
was personally present and did see Xiaoyu Ren (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Zhang Kang (signature of first witness)
Signed at Chengdu, Sichuan, China (location of witness signature)
on this day, Apr 30, 2019 (date of signature).

I, Pan Xiao (name of second witness), whose residential address is
Jianshe Road #2, Chengdu, Sichuan, China
was personally present and did see Xiaoyu Ren (name of person signing the assignment), who is
personally known to me, execute the above assignment.

Pan Xiao (signature of second witness)
Signed at Chengdu, Sichuan, China (location of witness signature)
on this day, Apr 30th, 2019 (date of signature).

Date: 2019/4/30

Changxu Jiang
Inventor's Signature

Print full name of inventor

Changxu Jiang

Residence

Chengdu, Sichuan, CHINA

Citizenship

China

Mailing Address

Shu Jun You Yi Cheng #116-1
Hua Fu Avenue 518
Chengdu, Sichuan 625008
CHINA

I, Zhang Yang (name of first witness), whose residential address is
Nanshan Town, Zhang Shao Rd, Chengdu, Sichuan, China
was personally present and did see Changxu Jiang (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Zhang, Yang (signature of first witness)
Signed at Chengdu, Sichuan, China (location of witness signature)
on this day, Apr. 30, 2019 (date of signature).

I, Pan Xiao (name of second witness), whose residential address is
Jianse Road #2, Chengdu, Sichuan, China
was personally present and did see Changxu Jiang (name of person signing the assignment),
who is personally known to me, execute the above assignment.

Pan Xiao (signature of second witness)
Signed at Chengdu, Sichuan, China (location of witness signature)
on this day, Apr. 30th, 2019 (date of signature).

Date: 30/04/2019


Inventor's Signature

Print full name of inventor

Srinivasa R. Chamarthy

Residence

Bangalore, Karnataka INDIA

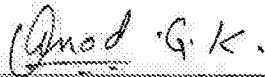
Citizenship

INDIA

Mailing Address

MJ Azhalia, near Notre Damme School
Hoskur PO, Choodasndra
Bangalore, Karnataka 560035
INDIA

I, VINOD GOMATAM (name of first witness), whose residential address is
NM 501, SHRIRAM SURABHI, MALLASANDRA BANGALORE
was personally present and did see Srinivasa R. Chamarthy (name of person signing the
assignment), who is personally known to me, execute the above assignment.

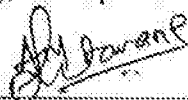


(signature of first witness)

Signed at BANGALORE INDIA (location of witness signature)

on this day, 30th APR, 2019 (date of signature).

I, Amod Sutavane (name of second witness), whose residential address is
BO, Block-2, SAMHITA CASTLE, E. V RAMAN NAGAR
was personally present and did see Srinivasa R. Chamarthy (name of person signing the
assignment), who is personally known to me, execute the above assignment.



(signature of second witness)

Signed at BANGALORE - INDIA (location of witness signature)

on this day, 30/04/2019, 2019 (date of signature).