505768708 11/12/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PENGFEI WU	10/29/2018
STEPHEN J. TODD	10/30/2018
KUN WANG	11/12/2019

RECEIVING PARTY DATA

Name:	EMC IP HOLDING COMPANY LLC	
Street Address:	Street Address: 176 SOUTH STREET	
City:	HOPKINTON	
State/Country: MASSACHUSETTS		
Postal Code:	01748	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16173446

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: 111937.01

NAME OF SUBMITTER: WILLIAM E. LEWIS

SIGNATURE: /William E. Lewis/
DATE SIGNED: 11/12/2019

Total Attachments: 5

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> PATENT REEL: 050982 FRAME: 0210

ASSIGNMENT

WHEREAS, we, Pengfei Wu, Stephen J. Todd and Kun Wang, 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 **DECENTRALIZED IDENTITY MANAGEMENT SYSTEM** the specification of which:

[]	is being executed on even date herewith a States Patent Office;	and is about to be filed in the United	1
[X]	was filed on October 29, 2018 as U.S. Ap	oplication No. <u>16/173,446</u> ;	
r 1	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 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.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: 2018.10.29	Pery fei Uu Inventor's Signature
	Jinventor's Signature
Print full name of first inventor:	Pengfei Wu
Residence:	Shanghai, China
Citizenship:	China
Mailing Address:	5 th Floor, 1 st Building, KIC Plaza, No. 252 Songhu Road, Yangpu District Shanghai, China 200433
I Jinpeng Lin	(name) whose residential address is Shargha; e Penglei Wu (name of person signing the assignment) who is
No 252 Songhu Rd KIC 2	Sharghai
was personally present and did sepersonally known to me, execute	e Pengfei Wu (name of person signing the assignment) who is the above assignment.
Jihpeng Li'n	(signature of first witness)
Signed at No 252 SonghaRd	KIC2 (location of witness signature)
on this day <u>0 ct . 29</u>	of 20 👸 . (date of signature)
I Jamie Zhuang	(name) whose residential address is
No 252 Songhu Rd. KIC	2 Shanghui
was personally present and did see personally known to me, execute	e Pengfei Wu (name of person signing the assignment) who is
Jamie Zhuang	(signature of second witness)
Signed at No 252 Songhu Rd	k1c7 Shanghai (location of witness signature)
on this day 16t. 29	of 20/8, (date of signature)

Date: OCT 30 2018	Stapitan J TGB)
	Inventor's Signature
Print full name of second inventor:	Stephen J. Todd
Residence:	Center Conway, New Hampshire
Citizenship:	United States of America
Mailing Address:	1857 White Mountain Highway #301
	North Conway, New Hampshire 03860
1 Sandra Kobison (name) whose residential address is
was personally present and did see Stephen J. Todd (name of person signing the assignment) who is personally known to me, execute the above assignment.	
(signature of first witness)	
Signed at 200 KRAMUR DR (
on this day OCT 30 of 2018. (date of signature)	
I The mas F, Robison (name) whose residential address is 238 KRANCE DR SIKESTON, MD 63801 was personally present and did see Stephen J. Todd (name of person signing the assignment) who is personally known to me, execute the above assignment. (signature of second witness) Signed at 220 KRANCE DR (location of witness signature)	
on this day OCT 30 of 20) <u>/8</u> . (date of signature)

Date:	
	Inventor's Signature
Full name of first inventor:	Pengfei Wu
Residence:	Shanghai, China
Citizenship:	China
Mailing Address:	5 th Floor, 1 st Building, KIC Plaza, No. 252 Songhu Road, Yangpu District Shanghai, China 200433
Date:	
•	Inventor's Signature
Full name of second inventor:	Stephen J. Todd
Residence:	Center Conway, New Hampshire
Citizenship:	United States of America
Mailing Address:	1857 White Mountain Highway #301
	North Conway, New Hampshire 03860
Date: 2079, 11.12	Kun Wang Inventor's Signature
	Inventor's Signature
Full name of third inventor:	Kun Wang
Residence:	Beijing, China
Citizenship:	China
Mailing Address:	No.288, Chaoyangmennei Dajie Dongcheng District Beijing, China 100010

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