505342867 02/22/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5389649

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAOLI LIU	12/10/2018
YIMIN ZHUANG	12/10/2018
QI GUO	12/10/2018
TIANSHI CHEN	12/10/2018
XIAOBING CHEN	12/10/2018
TIAN ZHI	12/10/2018
ZIDONG DU	12/10/2018
YIFAN HAO	12/10/2018
ZAI WANG	12/10/2018
WEILI	12/10/2018
LEI ZHANG	12/10/2018
SHUAI HU	12/10/2018

RECEIVING PARTY DATA

Name:	SHANGHAI CAMBRICON INFORMATION TECHNOLOGY CO., LTD
Street Address:	NO. 888, HUANHU XIER RD., XINCHENG
Internal Address:	NANHUI, PUDONG NEW AREA
City:	SHANGHAI
State/Country:	CHINA
Postal Code:	200120

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16283711

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 2673932299

Email: jun.ye@getechlaw.com **Correspondent Name:** GETECH LAW LLC

Address Line 1: 203 N LASALLE, SUITE 2100

PATENT

505342867 REEL: 048418 FRAME: 0135

Address Line 4: CHIC	CAGO, ILLINOIS 60601
ATTORNEY DOCKET NUMBER:	81010-000078
NAME OF SUBMITTER:	HOLLI L. TEMPLETON
SIGNATURE:	/Holli L. Templeton/
DATE SIGNED:	02/22/2019

Total Attachments: 12

source=81010-000078_Dec-Assignments#page1.tif source=81010-000078_Dec-Assignments#page2.tif source=81010-000078_Dec-Assignments#page3.tif source=81010-000078_Dec-Assignments#page4.tif source=81010-000078_Dec-Assignments#page5.tif source=81010-000078_Dec-Assignments#page6.tif source=81010-000078_Dec-Assignments#page7.tif source=81010-000078_Dec-Assignments#page8.tif source=81010-000078_Dec-Assignments#page9.tif source=81010-000078_Dec-Assignments#page10.tif source=81010-000078_Dec-Assignments#page11.tif source=81010-000078_Dec-Assignments#page11.tif source=81010-000078_Dec-Assignments#page12.tif

IN TURN US

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	OPERATION APPARATUS AND METHOD	
As the below named i	nventor, I hereby declare that:	
This declaration	The attached application, or	
	United States application or PCT international application numbered on	
	d application was made or authorized to be made by me. I believe that I am the original joint inventor of a claimed invention in the application.	
WHEREAS, Shanghai Cambricon Information Technology Co., Ltd (hereinafter referred to as "ASSIGNEE") located at: Floor 6, Block B, No.168 Tonghui Road, Pudong New Area, Shanghai, China, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reexaminations or reissues, continuations or continuations-in-part, substitutions, and renewals thereof.		
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respecting said invention continuation or continuation or continuation necessary assignment successors and assignits successors and assignits successors and assignits successors and assignition of the continuation of the conti	at I will communicate to said ASSIGNEE or its representatives any facts known to me tion, and testify in any legal proceeding, sign all lawful papers, execute all divisional, uation-in-part, substitute, renewal, and reexamination or reissue applications, execute all it papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, its ns, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, signs, to obtain and enforce proper protection for said invention in the United States and one and in any and all foreign countries.	
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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF IN	/ENTOR	
Inventor: Shaoli Liu Signature: Shaoli Liu	Date: De(10. 2013	
olgnature:	' ~17	

Getech Law LLC 300 New Jersey Avenue NW, Suite 900 Washington, DC 20001

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LEGAL NAME OF IN	/ENTOR		
Inventor: Yimin Zhuan	Date: Dec. 10, 2018		
Signature: Yimin	Zhuana		

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LEGAL NAME OF INV	/ENTOR	
Inventor: Qi Guo	Date: Wec. V. Vols	
Signature:	r Grus	

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LEGAL NAME OF IN	/ENTOR	
Inventor: Tianshi Chen	Date: Pec. 10, 2018	
Signature:	Consolat Chen	

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LEGAL NAME OF INV	/ENTOR	
Inventor: Xiaobing Che	n Date: <u>Dec. 17, 2018</u>	
Signature: X / (4)		

Getech Law LLC 300 New Jersey Avenue NW, Suite 900 Washington, DC 20001

Invention OPERATION APPARATUS AND METHOD		
As the below named inventor, I hereby declare that:		
This declaration		
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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INVENTOR		
Inventor: Tian Zhi Date: Dec. 10: 10/8		
Signature: 7ian 2hi		

Getech Law LLC

300 New Jersey Avenue NW, Suite 900 Washington, DC 20001

The Samuel Samuel

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	OPERATION APPARATUS AND METHOD		
As the below named i	nventor, I hereby declare that:		
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LEGAL NAME OF IN	VENTOR		
Inventor: Zidong Du	Date: Dec. 10, 2018		
Signature: Zilow	z hi		

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LEGAL NAME OF INVENTOR		
Inventor: Yifan Hao	Date:	
Signature: Yofan Hau		

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Further, I hereby authorize the Law Firm of Getech Law LLC to insert on this assignment any further identification which may be necessary or desirable by Patent Office Officials in the United States and its territorial possessions and any and all foreign countries in order to comply with the rules of said Patent Office Officials for recordation of this document.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INV	_	
Inventor: Zai Wang	Date: <u> \(\alpha \cdot \cdot \lambda \cdot \lambda \lambda \cdot \lambda \cdot \lambda \cdot \lambda \cdot </u>	
Signature: Wang	o Zei	

Getech Law LLC 300 New Jersey Avenue NW, Suite 900 Washington, DC 20001

Title of Invention	OPERATION APPARATUS AND METHOD	
As the below named i	nventor, I hereby declare that:	
This declaration	The attached application, or	
	United States application or PCT international application numbered on	
The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, Shanghai Cambricon Information Technology Co., Ltd (hereinafter referred to as "ASSIGNEE") located at: Floor 6, Block B, No.168 Tonghui Road, Pudong New Area, Shanghai, China, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reexaminations or reissues, continuations or continuations-in-part, substitutions, and renewals thereof.		
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LEGAL NAME OF IN	/ENTOR	
Inventor: Wei Li	Date: 10, 2018.	
Signature:	Li	

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LEGAL NAME OF IN	/ENTOR	
Inventor: Lei Zhang	Date: 00c.10 2018	
Signature:	Date: <u>Pec, 10, 2018</u>	

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LEGAL NAME OF INV		
Inventor: Shuai Hu	Date: <u>Dec. 10, 2018</u>	
Signature: MW	Shua i	

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> PATENT REEL: 048418 FRAME: 0148

RECORDED: 02/22/2019