# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHENLONG WANG	12/09/2020
WEI-CHIU MA	12/14/2020
SHUN DA SUO	12/13/2020
MING LIANG	05/28/2017

#### **RECEIVING PARTY DATA**

Name:	UBER TECHNOLOGIES, INC.
Street Address:	1455 MARKET ST
Internal Address:	4TH FLOOR
City:	SAN FRANCISCO
State/Country:	CALIFORNIA
Postal Code:	94103

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	18153486

#### **CORRESPONDENCE DATA**

**Fax Number:** (864)233-7342

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:** 8642711592

**Email:** usdocketing@dority-manning.com, lglass@dority-manning.com

Correspondent Name: DORITY & MANNING, P.A. AND UATC, LLC

Address Line 1: POST OFFICE BOX 1449

Address Line 4: GREENVILLE, SOUTH CAROLINA 29602

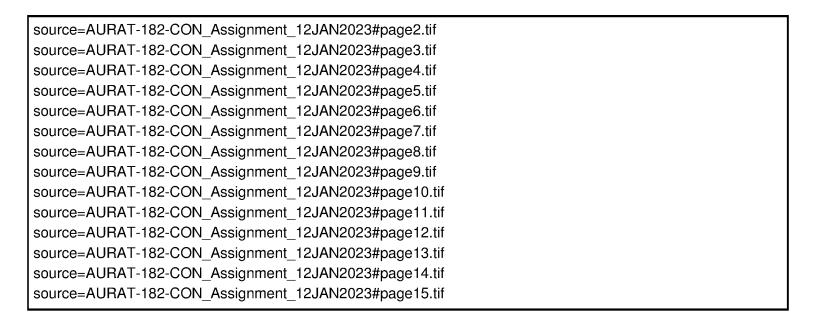
ATTORNEY DOCKET NUMBER: AURAT-182-CON	
NAME OF SUBMITTER:	JENNIFER L. ULSH
SIGNATURE:	/Jennifer L. Ulsh/
DATE SIGNED:	01/12/2023

**Total Attachments: 15** 

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PATENT REEL: 062360 FRAME: 0899

EPAS ID: PAT7739655



## CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, I, Shenlong Wang, a citizen of China, residing in Toronto, Ontario, CA, as assignor, have solely or jointly made an invention entitled

## "CONTINUOUS CONVOLUTION AND FUSION IN NEURAL NETWORKS"

(the "In	vention") as described in a patent application (the "Patent Application"), the specification of
which:	
	is attached hereto.
	was filed on 10/30/2018 as U.S. Application Serial No. 16/175,161.
	was filed on as PCT Application Serial No
	was filed on as

WHEREAS, Uber Technologies, Inc., 1455 Market Street, 4th Floor, San Francisco, CA 94103 US, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other

rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, the Assignor has executed this document on the date indicated below:

DocuSigned by:	`	12/9/2020
E99EAB4501664E7	Shenlong Wang	Date

## CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, I, Wei-Chiu Ma, a citizen of Taiwan, residing in Toronto, Ontario, CA, as assignor, have solely or jointly made an invention entitled

## "CONTINUOUS CONVOLUTION AND FUSION IN NEURAL NETWORKS"

(the "In	vention") as described in a patent application (the "Patent Application"), the specification of
which:	
	is attached hereto.
$\boxtimes$	was filed on 10/30/2018 as U.S. Application Serial No. 16/175,161.
	was filed on as PCT Application Serial No
	was filed on as

WHEREAS, Uber Technologies, Inc., 1455 Market Street, 4th Floor, San Francisco, CA 94103 US, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other

rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, the Assignor has executed this document on the date indicated below:

Wii-(Liiu Ma		12/14/2020
574BAA19E7CD4F3	Wei-Chiu Ma	Date

## CONFIRMATORY ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, I, Shun Da Suo, a citizen of Canada, residing in Toronto, Ontario, CA, as assignor, have solely or jointly made an invention entitled

## "CONTINUOUS CONVOLUTION AND FUSION IN NEURAL NETWORKS"

(the "In	vention") as d	escribed in a patent application (the "Patent Application"), the specification of
which:		
	is attached he	ereto.
$\boxtimes$	was filed on	<u>10/30/2018</u> as U.S. Application Serial No. <u>16/175,161</u> .
	was filed on	as PCT Application Serial No.
	was filed on	as .

WHEREAS, Uber Technologies, Inc., 1455 Market Street, 4th Floor, San Francisco, CA 94103 US, as assignee, has received and secured or hereby receives and secures the entire right, title and interest in and to the Invention and the Patent Application in all countries throughout the world, in and to any Letters Patent or similar rights for the Invention to be issued upon the Patent Application throughout the world, any application for Letters Patent or similar rights for the Invention claiming priority to the Patent Application in all countries throughout the world, and any Letters Patent or similar rights to be issued claiming priority to the Patent Application in all countries throughout the world;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, acknowledge and confirm that I have sold, assigned, transferred, conveyed, and set over, and/or do hereby sell, assign, transfer, convey, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to the Invention and the Patent Application now existing and in the future, and all divisions, continuations, continuations-in-part, and national-stage applications thereof, any and all applications claiming priority to the Patent Application, and all Letters Patent or similar rights which may be granted thereon, and all reissues and re-examinations of any of the foregoing, and all rights to claim priority on the basis of any of the foregoing applications, and all applications for Letters Patent or similar rights which may hereafter be filed for the Invention in any country and all Letters Patent or similar rights which may be granted on the Invention in any country, and all extensions, renewals, reissues, and re-examinations thereof, any and all causes of action, claims, and demands and other

Page 1 of 2

rights for, or arising from, any infringement, breaches, or misappropriation, including past infringements, breaches, and misappropriations of any of the foregoing throughout the world, the right to take actions to assert any and all causes of action related to any of the foregoing throughout the world, including those accrued in assignor' favor for infringement, breach, and misappropriation, and the right to sue and recover and have past, present, and future damages and profits for infringement, breach, and misappropriation, in all countries, territories and possessions throughout the world in accordance with the laws thereof, to the full extent of such rights, and I hereby authorize and request the Commissioner for Patents of the United States and any official of any other country whose duty it is to issue patents on applications as described above, to issue all Letters Patent or similar rights for the Invention or the Patent Application to assignee, its successors and assigns, in accordance with the terms of this Assignment, and I hereby authorize the assignee, its successors and assigns, and the attorney(s) of record in applications as described above to modify this Assignment, subsequent to its execution, to more specifically identify the applications as described above.

AND, I HEREBY covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed, and will not execute any agreement in conflict with this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting the Invention, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of the Invention in said assignee, its successors and assigns, execute all divisional, continuation, reissue applications, re-examination applications, and any applications claiming priority to the Patent Application, and make all rightful oaths and generally aid assignee, its successors and assigns, to obtain and enforce proper patent and any other protection for the Invention in the United States and any other country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, the Assignor has executed this document on the date indicated below:

Shun Da Swo	12/13/2020
9A50EE8DDFEC4A6 Shun Da Su	Date

#### **UBER TECHNOLOGIES, INC.**

# INVENTION ASSIGNMENT AGREEMENT

Employee Name: Ming Liang

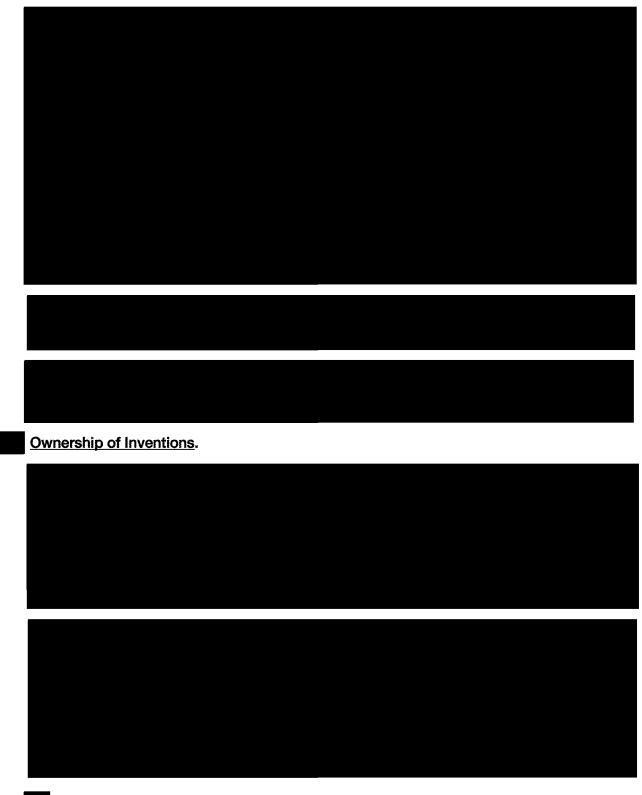
Effective Date: 2017年5月28日

As a condition of my becoming employed (or my employment being continued) by Uber Technologies, Inc., or any of its current or future subsidiaries, affiliates, successors or assigns (collectively, the "Company"), and in consideration of my employment with the Company pursuant to the attached Employment Agreement dated as of the date hereof and my receipt of the compensation now and hereafter paid to me by the Company, I agree to the following:

In this Agreement, words importing persons include, without limitation, individuals, firms, corporations, limited and unlimited liability companies, general and limited partnerships, associations, trusts, unincorporated organizations, joint ventures and governmental authorities; and the term "third party" means any person other than you and the Company.

Relationship. This Agreement will apply to my employment relationship with the Company. If that relationship ends and the Company, within a year thereafter, either reemploys me or engages me as a consultant, I agree that this Agreement will also apply to such later employment or consulting relationship, unless the Company and I otherwise agree in writing. Any such employment or consulting relationship between the Company and me, whether commenced prior to, upon or after the date of this Agreement, is referred to herein as the "Relationship."





Inventions. I understand that "Inventions" means discoveries, developments, concepts, designs, ideas, know how, improvements, inventions, trade secrets, proprietary information, trademarks, computer software, research data and/or original works of authorship, whether or not patentable, copyrightable or otherwise legally

protectable. I understand this includes, but is not limited to, any new product, machine, article of manufacture, biological material, method, procedure, process, technique, use, equipment, device, apparatus, system, compound, formulation, composition of matter, design or configuration of any kind, or any improvement thereon. I understand that "Company Inventions" means any and all Inventions that I may solely or jointly author, discover, develop, conceive, or reduce to practice during the period of the Relationship, except as otherwise provided in Section 3(g) below.

Assignment of Company Inventions. I agree that I will promptly make full written disclosure to the Company, will hold in trust for the sole right and benefit of the Company, and I hereby irrevocably assign to the Company, or its designee, all my right, title and interest throughout the world in and to any and all Company Inventions, as and when the same come into existence. I further acknowledge that all Company Inventions that are made by me (solely or jointly with others) within the scope of and during the period of the Relationship are "works made for hire" under relevant U.S. law or their equivalent under the laws of other countries (to the greatest extent permitted by applicable law) and are compensated by my salary. To the extent possible under applicable law, and to the extent that I have moral rights in any Company Inventions, I hereby irrevocably waive and assign such moral rights in favour of the Company. I hereby irrevocably waive and quitclaim to the Company or its designee any and all claims of any nature whatsoever, including without limitation any moral rights, that I now have or may hereafter have in or to Company Inventions that are not assignable to the Company for infringement of any and all Company Inventions.



Patent and Copyright Rights. I agree to assist the Company, or its designee, at its expense, in every proper way to secure, protect and defend the Company's, or its designee's, rights in and to the Company Inventions and any and all copyrights, patents, industrial designs, trademarks, mask work rights, moral rights, and other intellectual property rights relating thereto in any and all countries, including without limitation the disclosure to the Company or its designee of all pertinent information and data with respect thereto, the execution of all applications, specifications, oaths, assignments, recordations, and all other instruments that the Company or its designee shall deem necessary in order to apply for, obtain, maintain, transfer, perfect, protect and defend such rights or, if not transferable, irrevocably waive such rights, and in order to assign and convey to the Company or its designee, the sole and exclusive right, title, benefit and interest in and to such Company Inventions, and any copyrights,

patents, industrial designs, mask work rights and other intellectual property rights relating thereto. I further agree that my obligation to execute or cause to be executed, when it is in my power to do so, any such instrument or papers shall continue during and at all times after the end of the Relationship and until the expiration of the last such intellectual property right to expire in any country of the world. I hereby irrevocably designate and appoint the Company and its duly authorized officers and agents as my agent and attorney-in-fact, to act for and on my behalf and in my name, place and stead to execute, deliver and file any such applications and other supporting documents and to do all other lawfully permitted acts to further the application for, prosecution, issuance, maintenance, transfer, protection and/or defence of letters of patents, industrial designs, copyright, mask work and other registrations related to such Company Inventions. This power of attorney is coupled with an interest and shall not be affected by my subsequent incapacity.

Exception to Assignments. I understand that the Company Inventions will not include, and the provisions of this Agreement requiring assignment of inventions to the Company do not apply to, any invention that qualifies fully for exclusion under the provisions of applicable law, if any, attached hereto as <a href="Exhibit B">Exhibit B</a>. In order to assist in the determination of which inventions qualify for such exclusion, I will advise the Company promptly in writing, during and after the term of the Relationship, of all Inventions solely or jointly conceived or developed or reduced to practice by me during the period of the Relationship.



Notice to Third Parties. I understand and agree that the Company may, with or without prior notice to me and during or after the term of the Relationship, notify third parties of my agreements and obligations under this Agreement.

Representations, Covenants and Acknowledgements.

	<u>Facilitation of Agreement</u> . I agree to promptly execute and deliver, both during and after the end of the Relationship, any proper oath, and to verify any proper document, required to carry out the terms of this Agreement, upon the Company's written request to do so.
	No Conflicts. I represent that my compliance with and performance of all the terms of this Agreement does not and will not breach any agreement I have entered into, or will enter into, with any third party, including without limitation any agreement to keep in confidence proprietary information or materials acquired by me in confidence or in trust prior to or during the Relationship. I will not disclose to the Company or use any inventions, confidential or non-public proprietary information or material belonging to any previous client, employer or any other party. I will not induce the Company to use any inventions, confidential or non-public proprietary information, or material belonging to any previous client, employer or any other party.
	Voluntary Execution. I certify and acknowledge that I have carefully read all of the provisions of this Agreement, that I understand and have voluntarily accepted such provisions, and that I will fully and faithfully comply with such provisions.
<u>G</u> e	eneral Provisions.
	Governing Law; Attornment. The validity, interpretation, construction and performance of this Agreement shall be governed by the laws of the province in which you were last employed and the federal laws of Canada applicable in the province in which you were last employed, without giving effect to the principles of conflict of laws. Each of the parties hereby attorns to the exclusive jurisdiction of the courts of the province in which you were last employed and agrees that a final judgment in any

such action or proceeding will be conclusive and may be enforced in other jurisdictions by suit on the judgment or in any other manner provided by law. Each of the parties hereby irrevocably and unconditionally waives, to the fullest extent it may legally and effectively do so, any objection that it may now or hereafter have to the laying of venue of any suit, action or proceeding arising out of or relating to this Agreement in any provincial or federal court of competent jurisdiction in the province in which you were last employed. Each of the parties hereby irrevocably waives, to the fullest extent permitted by law, the defence of an inconvenient forum to the maintenance of such action or proceeding in any such court.

Entire Agreement. This Agreement sets forth the entire agreement and understanding between the Company and me relating to its subject matter and merges all prior discussions between us. No amendment to this Agreement will be effective unless in writing signed by both parties to this Agreement. The Company shall not be deemed hereby to have waived any rights or remedies it may have in law or equity, nor to have given any authorizations or waived any of its rights under this Agreement, unless, and only to the extent, it does so by a specific writing signed by a duly authorized officer of the Company, it being understood that, even if I am an officer of the Company, I will not have authority to give any such authorizations or waivers for the Company under this Agreement without specific approval by the Board of Directors. Any subsequent change or changes in my duties, obligations, rights or compensation will not affect the validity or scope of this Agreement.

- Severability. If one or more of the provisions in this Agreement are deemed void or unenforceable to any extent in any context, such provisions shall nevertheless be enforced to the fullest extent allowed by law in that and other contexts, and the validity and force of the remainder of this Agreement shall not be affected.
- Successors and Assigns. This Agreement will be binding upon my heirs, executors, administrators and other legal representatives, and my successors and assigns, and will be for the benefit of the Company, its successors, and its assigns.
- Remedies. I acknowledge and agree that violation of this Agreement by me will cause the Company irreparable harm, and that monetary damages would be impossible to quantify and inadequate to compensate the Company for such a breach. Accordingly, I agree that the Company will be entitled to seek extraordinary relief in court, including, but not limited to, an interim and permanent injunction without having to prove damages, in addition to and without prejudice to any other rights or remedies that the Company may have for a breach of this Agreement.
- ADVICE OF COUNSEL. I ACKNOWLEDGE THAT, IN EXECUTING THIS AGREEMENT, I HAVE HAD THE OPPORTUNITY TO SEEK THE ADVICE OF INDEPENDENT LEGAL COUNSEL, AND I HAVE READ AND UNDERSTOOD ALL OF THE TERMS AND PROVISIONS OF THIS AGREEMENT. THIS AGREEMENT SHALL NOT BE CONSTRUED AGAINST ANY PARTY BY REASON OF THE DRAFTING OR PREPARATION HEREOF.

The parties have executed this Agreement on the respective dates set forth below, to be effective as of the Effective Date first above written.

By: Name: Liane Hornsey Title: Chief Human Resources Officer  Address: 1455 Market Street, 4th Floor	
Name: Liane Hornsey Title: Chief Human Resources Officer	
Name: Liane Hornsey Title: Chief Human Resources Officer	
Name: Liane Hornsey Title: Chief Human Resources Officer	
Address: 1455 Market Street. 4 <sup>th</sup> Floor	
Address: 1455 Market Street, 4th Floor	
San Francisco, CA 94103	
EMPLOYEE:	
SIGNED, SEALED AND ) DELIVERED	
in the presence of:	
) Ming Ling ML	
Witness ) Ming Liang, an individual	
) Date: <sup>2017年5月28日</sup>	
Address:	

Date: 2017年5月28日

# **EXHIBIT A**

# LIST OF PRIOR INVENTIONS AND ORIGINAL WORKS OF AUTHORSHIP EXCLUDED UNDER SECTION 3(a)

Title	_Date_	or Brief Descrip	otion .
Mode identification method and device	July 22, 2015	Publication number	: CN104794501A
No inventions, improvemen	ts, or original works of aut	horship	
Inventions, improvements,	or original works of author	ship listed above	
Additional sheets attached	/		
orginature or Employee.	g Ling ML		
Print Name of Employee: Ming	Liang		

PATENT REEL: 062360 FRAME: 0914

**Identifying Number** 

#### **EXHIBIT B**

Section 2870 of the California Labor Code is as follows:

- a. Any provision in an employment agreement which provides that an employee shall assign, or offer to assign, any of his or her rights in an invention to his or her employer shall not apply to an invention that the employee developed entirely on his or her own time without using the employer's equipment, supplies, facilities, or trade secret information except for those inventions that either:
  - Relate at the time of conception or reduction to practice of the invention to the employer's business, or actual or demonstrably anticipated research or development of the employer; or
  - 2. Result from any work performed by the employee for the employer.
- b. To the extent a provision in an employment agreement purports to require an employee to assign an invention otherwise excluded from being required to be assigned under subdivision (a), the provision is against the public policy of this state and is unenforceable.

PATENT REEL: 062360 FRAME: 0915

**RECORDED: 01/12/2023**