505572274 07/15/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5619072

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUPING SHI	06/27/2019
SHUANG WU	06/27/2019
JING PEI	06/27/2019
GUOQI LI	06/27/2019

RECEIVING PARTY DATA

Name:	TSINGHUA UNIVERSITY	
Street Address:	NO. 1, QINGHUA YUAN, HAIDIAN DISTRICT	
City:	BEIJING	
State/Country:	CHINA	
Postal Code:	100084	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16477422

CORRESPONDENCE DATA

Fax Number: (617)607-9200

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: (617) 449-6500

Email: gellis@mccarter.com

Correspondent Name: MCCARTER & ENGLISH, LLP

Address Line 1: 265 FRANKLIN STREET

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	131434-00102
NAME OF SUBMITTER:	NATHAN D. HARRISON
SIGNATURE:	/Nathan D. Harrison/
DATE SIGNED:	07/15/2019

Total Attachments: 6

source=131434_00102_Assignment#page1.tif source=131434_00102_Assignment#page2.tif source=131434_00102_Assignment#page3.tif

PATENT 505572274 REEL: 049757 FRAME: 0304

source=131434_00102_Assignment#page4.tif source=131434_00102_Assignment#page5.tif source=131434_00102_Assignment#page6.tif

> PATENT REEL: 049757 FRAME: 0305

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto

Tsinghua University

No. 1, Qinghua Yuan Haidian district Beijing, China 100084 China

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

NEURAL NETWORK INFORMATION RECEPTION METHOD, SENDING METHOD, SYSTEM, APPARATUS AND READABLE STORAGE MEDIUM

as set forth in the following Patent Applications:

International Application No. PCT/CN2017/114670, filed December 5, 2017

which claims priority to the following patent applications:

Chinese Patent Application No. 201710056198.9, filed January 25, 2017 Chinese Patent Application No. 201710056244.5, filed January 25, 2017

Including (a) all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions, (b) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (c) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (d) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of McCarter & English, LLP the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of McCarter & English, LLP do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this _27_ day of __June___, 2019.

Lip SHI
Luping SHI

No. 1, Qinghua Yuan Haidian district

Beijing, China 100084

Witness Signature

Shuang-WU

Date: June 27, 2019

Print Witness Name

Shuang WU

Witness Signature

JUNPEI

Date: June 27, 2019

Print Witness Name Jing PEI

Executed this 27 day of June , 2019.

Shuang WU
No. 1, Qinghua Yuan
Haidian district
Beijing, China 100084

Witness Signature

Jing PEI

Date: June 27, 2019

Print Witness Name Jing PEI

Print Witness Name Guoqi LI

Witness Signature

Gugi LI

Date: June 27, 2019

Attorney Docket No.: 131434-00102

PCT/CN2017/114670

Executed this 27 day of June, 2019.

JIM PEI No. 1, Qinghua Yuan Haidian district Beijing, China 100084

Witness Signature

Date: June 27, 2019

Print Witness Name Guogi LI

Witness Signature

Date: June 27, 2019

Print Witness Name Luping SHI

Executed this __27_ day of __June ___, 2019.

No. 1, Qinghua Yuan Haidian district Beijing, China 100084

Witness Signature

Date: June 27, 2019

Print Witness Name Luping SHI

Witness Signature

Date: June 27, 2019

Print Witness Name Shuang WU

Page 6 of 6