506835009 08/25/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HONGKUN PARK	03/25/2016
DONHEE HAM	03/28/2016
JEFFREY ABBOTT	03/28/2016
LING QIN	03/28/2016
MARSELA JORGOLLI	02/28/2016
TIANYANG YE	03/31/2016

RECEIVING PARTY DATA

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State/Country:	MASSACHUSETTS
Postal Code:	02138

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17144387

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ATTORNEY DOCKET NUMBER:	H0498.70535US03
NAME OF SUBMITTER:	ANGELA M GRIFFITH
SIGNATURE:	/Angela M. Griffith/
DATE SIGNED:	08/25/2021

PATENT REEL: 057294 FRAME: 0408 506835009

Total Attachments: 24 source=H049870535US03-ASI-TC#page1.tif source=H049870535US03-ASI-TC#page2.tif source=H049870535US03-ASI-TC#page3.tif source=H049870535US03-ASI-TC#page4.tif source=H049870535US03-ASI-TC#page5.tif source=H049870535US03-ASI-TC#page6.tif source=H049870535US03-ASI-TC#page7.tif source=H049870535US03-ASI-TC#page8.tif source=H049870535US03-ASI-TC#page9.tif source=H049870535US03-ASI-TC#page10.tif source=H049870535US03-ASI-TC#page11.tif source=H049870535US03-ASI-TC#page12.tif source=H049870535US03-ASI-TC#page13.tif source=H049870535US03-ASI-TC#page14.tif source=H049870535US03-ASI-TC#page15.tif source=H049870535US03-ASI-TC#page16.tif source=H049870535US03-ASI-TC#page17.tif source=H049870535US03-ASI-TC#page18.tif source=H049870535US03-ASI-TC#page19.tif source=H049870535US03-ASI-TC#page20.tif source=H049870535US03-ASI-TC#page21.tif source=H049870535US03-ASI-TC#page22.tif source=H049870535US03-ASI-TC#page23.tif source=H049870535US03-ASI-TC#page24.tif

PATENT REEL: 057294 FRAME: 0409

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned:

Hongkun Park, Donhee Ham, Jeffrey Abbott, Ling Qin, Marsela Jorgolli and Tianyang Ye

(each hereafter "Assignor") hereby assign, sell, and transfer to:

President and Fellows of Harvard College 17 Quincy Street Cambridge, MA 02138

(hereafter "Assignee") its successors and assigns, Assignor's entire right, title, and interest throughout the world in and to any and all inventions for:

NANOWIRE ARRAYS FOR NEUROTECHNOLOGY AND OTHER APPLICATIONS

described in International Patent Application No. PCT/US2016/012685, filed January 8, 2016, and in and to the aforesaid application, in any form or embodiment thereof, and in and to any application on any of the inventions filed in this and any foreign country, based thereon, including the right to file said applications, apply for patent rights, and claim priority under the provisions of any international convention or treaty; also the entire right, title, and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon any of the inventions and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

Assignor hereby warrants that he/she has full right to convey his/her entire right, title and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

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HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

3/25/2016

Date

Inventor: Hongkun Park

Address:

17 Hathaway Road

Lexington, Massachusetts 02420

Citizenship: US

Witness:

Signature

Name:

Address:

Page 3 of 8

Date	Inventor:	Donhee Ham
	Address:	53 Cadworth Lane
		Sudbury, MA 01776
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Witness:		
Date	Signature	е
	Name:	
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Page 4 of 8

Date	Inventor:	Jeffrey Abbott
	Address:	102 Pearl Street
		Cambridge, Massachusetts
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Witness:		
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	Name:	
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Page 5 of 8

Date	Inventor:	Ling Qin	
	Address:	12 Mellen Street	
		Cambridge, Massachusetts	02138
С	itizenship:	People's Republic of China	
Witness:			
Date	Signature	•	
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	Name:		
	Address:		

Page 6 of 8

4668454.1

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Page 7 of 8

Date	Inventor:	Tianyang Ye
	Address:	203 Holden Green
		Cambridge, Massachusetts 02138
C	itizenship:	People's Republic of China
Witness:		
Date	Signature	
	Name:	
	Maine.	
	Address:	

Page 8 of 8

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

ASSIGNMENT

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Page 1 of 8

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including, but not limited to, said application serial number and filing date, prior to or after recordation.

Assignor appoints Assignee, through its designee, as its attorney-in-fact to execute, in Assignor's name and on Assignor's behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

Date

Inventor: Hongkun Park
Address: 17 Hathaway Road
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Citizenship: US

Witness:

Date

Signature
Name:
Address:

Patent Assignment

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

03/28/2016 Date

Donhee Ham Inventor:

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Sudbury, MA 01776

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Witness:

3/28/2016

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HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

3/28/ 2016 Date

Inventor:

102 Pearl Street Address:

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HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

3/28/2016 Date

Inventor:

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L.Q. 3/28/2016

Citizenship: People's Republic of China

Witness:

3/28/2016

Date

Signature

Name:

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Jingyee Chee

3 Summer Rd

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		Arlington, Massachusetts 02474
	Citizenship:	US
Witness:		
	-	
Date	Signature	
	Name:	
	Address:	

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

Mar 3/st 2016

Date

Inventor: Tianyang Ye

Address: 203 Holden Green

Cambridge, Massachusetts 02138

Citizenship: People's Republic of China

Witness:

Signature

Name:

Address:

Patent Assignment HU Case No.: HU 5705 (Park)

Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

ASSIGNMENT

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4668454 1

HU Case No.: HU 5705 (Park) Appln, No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

Assignee, or its successors and assigns, to communicate to said Assignee, its representatives or agents, or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its representatives or agents, or its successors or assigns to secure, obtain, and enforce proper patent protection for said invention or inventions in this and any foreign country.

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Date Inventor: Hongkun Park
Address: 17 Hathaway Road
Lexington, Massachusetts 02420
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Witness:

Date Signature
Name:
Address:

Patent Assignment

Date Inventor: Donhee Ham
Address: 53 Cadworth Lane
Sudbury, MA 01776
Citizenship: Republic of Korea

Witness:

Date Signature
Name:
Address:

Page 4 of 8

Patent Assignment

	·	
Date	Inventor:	Jeffrey Abbott
	Address:	102 Pearl Street
		Cambridge, Massachusetts
	Citizenship:	US
Witness:		
Date	Signature	9
	Name:	
	Address:	

Page 5 of 8

Date Inventor: Ling Qin
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Cambridge, Massachusetts 02138
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Witness:

Date Signature
Name:
Address:

Page 6 of 8

Patent Assignment

Patent Assignment HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498,70535WO00

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555 Laurie Ln # Alo

Thousand Oaks CA SI360

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Witness:

Date

Signature
Name:
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4668454.1

Patent Assignment

HU Case No.: HU 5705 (Park) Appln. No.: PCT/US2016/012685 WGS File No.: H0498.70535WO00

> PATENT REEL: 057294 FRAME: 0433