PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6248165

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JESUS ARTURO CABRERA	05/19/2020
KEVIN RUDA	05/28/2020
JASON PAUL MCCONNELL	06/10/2020

RECEIVING PARTY DATA

Name:	REGENTS OF THE UNIVERSITY OF MINNESOTA	
Street Address:	600 MCNAMARA ALUMNI CENTER	
Internal Address:	200 OAK STREET SE	
City:	MINNEAPOLIS	
State/Country:	MINNESOTA	
Postal Code:	55455-2020	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15325959

CORRESPONDENCE DATA

Fax Number: (612)349-9266

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: 6123495740 Email: rabe@ptslaw.com

Correspondent Name: PATTERSON THUENTE PEDERSEN, P.A.

Address Line 1: 80 S 8TH STREET Address Line 2: 4800 IDS CENTER

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	1008.31WOUS01
NAME OF SUBMITTER:	AUBRE RABE
SIGNATURE:	/AUBRE RABE/
DATE SIGNED:	08/13/2020

Total Attachments: 9

506201426

source=Assignment Cabrera#page1.tif source=Assignment_Cabrera#page2.tif

> **PATENT** REEL: 053482 FRAME: 0311

source=Assignment_Cabrera#page3.tif
source=Assignment_JasonPaulMcConnell#page1.tif
source=Assignment_JasonPaulMcConnell#page2.tif
source=Assignment_JasonPaulMcConnell#page3.tif
source=Assignment_Ruda#page1.tif
source=Assignment_Ruda#page2.tif
source=Assignment_Ruda#page3.tif

PATENT REEL: 053482 FRAME: 0312



University of Minnesota <u>ASSIGNMENT</u>

WHEREAS, I, Jesus Arturo Cabrera, have invented certain new and useful inventions in DEVICES, SYSTEMS AND METHODS FOR MONITORING NEUROMUSCULAR BLOCKAGE, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Provisional application no. 62/025,236 on July 16, 2014; PCT/US2015/040733 on July 16, 2015; and Utility application no. 15/325,959 on January 12, 2017 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns 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 and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT

(including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

I have hereunto set my hand on May 19, 2020 | 11:22 AM CDT

Lesus arturo Cabrera

----- A2B9C4E30A9C437...

Jesus Arturo Cabrera

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295 IN WITNESS WHEREOF, I have hereunto set my hand on June 10, 2020 | 10:07 AM CDT _____, on behalf of Assignee Regents of the University of Minnesota accepting this assignment.

REGENTS OF THE UNIVERSITY OF MINNESOTA

of Magallacidal

0FB835187311411...

Carol Grutkoski Chief of Staff and Operations Manager per Presidential Delegation ID_257866

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT



University of Minnesota <u>ASSIGNMENT</u>

WHEREAS, I, Jason Paul McConnell, have invented certain new and useful inventions in DEVICES, SYSTEMS AND METHODS FOR MONITORING NEUROMUSCULAR BLOCKAGE, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Provisional application no. 62/025,236 on July 16, 2014; PCT/US2015/040733 on July 16, 2015; and Utility application no. 15/325,959 on January 12, 2017 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns 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 and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto (including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

I have hereunto set my hand on June 10, 2020 | 10:06 AM CDT

Jason Paul McConnell

A8144B7799FF4F4...

Jason Paul McConnell

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT

IN WITNESS WHEREOF, I have hereunto set my hand on June 10, 2020 | 10:07 AM CDT, on behalf of Assignee Regents of the University of Minnesota accepting this assignment.

3

REGENTS OF THE UNIVERSITY OF MINNESOTA

0EB835187311411

DocuSigned by:

Carol Grutkoski

Chief of Staff and Operations Manager per Presidential Delegation ID_257866

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT



University of Minnesota ASSIGNMENT

WHEREAS, I, Kevin Ruda, have invented certain new and useful inventions in DEVICES, SYSTEMS AND METHODS FOR MONITORING NEUROMUSCULAR BLOCKAGE, for which applications for Letters Patents of the United States have been made, said applications being filed as follows: Provisional application no. 62/025,236 on July 16, 2014; PCT/US2015/040733 on July 16, 2015; and Utility application no. 15/325,959 on January 12, 2017 (the "Application(s)");

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignee"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, is desirous of documenting the acquisition of the entire right, title and interest in and to said invention, said Application(s) and in, to and under any and all Letters Patent to be obtained therefor;

WHEREAS, I hereby acknowledge an obligation of assignment of the inventions disclosed in the Application(s) to Assignee at the time the invention(s) was made;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, and to the extent that I have not done so already via a prior agreement with the Assignee, or if I have already done so via a prior agreement with the Assignee then in confirmation of said prior agreement, I have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Application(s) including rights of priority under the Paris Convention for the Protection of Industrial Property and the European Patent Convention, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Application(s) and Letters Patent that may be granted, including all rights to claim priority therefrom, and specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns 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 and enjoyed by me had this assignment and sale not been made.

I hereby authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of any the Application(s) and/or otherwise take advantage of all rights of priority created by said Application(s) under any treaty relating thereto (including the right to claim priority to said patent application, e.g., under the provisions of the Paris Convention for the Protection of Industrial Property and the European Patent Convention).

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT

Upon said consideration I do hereby covenant and agree with said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

I hereby request the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with this instrument.

I have hereunto set my hand on May 28, 2020 | 7:55 AM CDT

1/ /

Kevin Ruda

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295 IN WITNESS WHEREOF, I have hereunto set my hand on June 10, 2020 | 10:07 AM CDT _____, on behalf of Assignee Regents of the University of Minnesota accepting this assignment.

3

REGENTS OF THE UNIVERSITY OF MINNESOTA

0FB835187311411...

DocuSigned by:

Carol Grutkoski Chief of Staff and Operations Manager per Presidential Delegation ID_257866

Attorney Docket No. 1008.31WOUS01 UM Case No. 20140295

PATENT