PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WARREN M GRILL JR	06/24/2015
ALAN D DORVAL II	06/24/2015
ROBERT STROTHER	06/25/2015

RECEIVING PARTY DATA

Name:	DUKE UNIVERSITY
Street Address:	2812 ERWIN ROAD
Internal Address:	SUITE 306
City:	DURHAM
State/Country:	NORTH CAROLINA
Postal Code:	27705

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14529291

CORRESPONDENCE DATA

Fax Number: (216)348-5474

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: 216-348-5400

Email: ipmailbox@mcdonaldhopkins.com
Correspondent Name: MCDONALD HOPKINS LLC
Address Line 1: 600 SUPERIOR AVENUE, EAST

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Address Line 4: CLEVELAND, OHIO 44114-2653

ATTORNEY DOCKET NUMBER:	37696-00041
NAME OF SUBMITTER: TODD A. BENNI	
SIGNATURE:	/Todd A. Benni/
DATE SIGNED: 06/30/2015	
	This document serves as an Oath/Declaration (37 CFR 1.63).
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Total Attachments: 6

PATENT REEL: 035994 FRAME: 0756

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COMBINED ASSIGNMENT AND DECLARATION OF PATENT APPLICATION

Assignment of Patent Application

Whereas, we, Warren M. Grill, Jr., having an address at 405 Rock Garden Road, Chapel Hill,

NC 27516, United States of America; Alan D. Dorval II, having an address at 1118 Herbert Avenue,

Salt Lake City, UT 84105, United States of America; and Robert Strother, having an address at

37895 Rogers Road, Willoughby Hills, OH 44094, hereinafter referred to as "Assignors," have

invented, a new and useful invention, for which a U.S. Utility Continuation-in-Part Patent

Application was filed on October 31, 2014, having Attorney Docket No. 37696-00041 and

Application No. 14/529,291; U.S. Continuation Patent Application filed on October 5, 2009, having

Attorney Docket No. 37696-00002 and Application No. 12/587,295, now U.S. Patent 8,447,405;

U.S. Provisional Patent Application filed on October 3, 2008, having Application No. 61/102,575;

and any subsequent applications filed in connection with the above invention (the "Patent").

Whereas, Duke University, having an address at 2812 Erwin Road, Suite 306, Durham, NC

27705, hereinafter referred to as "Assignee," is desirous of acquiring the entire right, title and interest

in and to said Patent;

NOW, THEREFORE, in consideration of the sum of ten dollars (\$10.00), and other good and

valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, the

Assignors, by these presents do sell, assign and transfer unto Assignee, its successors and assigns, the

full and exclusive right to the Patent and all letters patent of foreign countries which may be or have

been issued on the invention disclosed in the Patent, all divisions, reissues, and continuations

thereof, and all inventions disclosed therein, together with all claims for damages by reason of past

or future infringement, with the right to sue for and collect the same for the use and benefit of

Assignee and its successors and assigns.

(5356865:)

Assignors warrant that they are the exclusive owners of the entire legal and equitable interest

in the Patent and the invention disclosed therein, free and clear of all liens and encumbrances; and

that they have full power, authority, and capacity to make this Assignment to Assignee. Assignors

covenant and agree, for themselves and for their successors and assigns that, at Assignee's request,

Assignors will cause to be executed and delivered any applications, affidavits, assignments, and

other instruments as may be deemed necessary or desirable by Assignee to secure for or vest in

Assignee, its successors or assigns, all right, title, and interest in and to any application, patent, or

other right or property covered by this assignment, including the right to apply for and obtain patents

in foreign countries under the provisions of the International Convention; and Assignors hereby

request and authorize the United States Commissioner of Patents and Trademarks to issue any and all

United States patents granted on the Patent to Assignee as owner of the entire right, title, and interest

in and to the same, and authorizes appropriately empowered officials of foreign countries to issue

any letters patent granted on the Patent to Assignee as owner of the entire right, title, and interest in

and to the same.

Declaration (37 CFR 1.63) For Utility Or Design Application Using An Application Data

Sheet (37 CFR 1.76)

Title of Invention:

Non-Regular Electrical Stimulation Patterns For Treating Neurological

Disorders

As the below named inventor, I hereby declare that this declaration is directed to the

attached application.

The above-identified application was made or authorized to be made by me.

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I believe that I am the original inventor or an original joint inventor of a claimed

invention in the application.

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Ref. #37696-00041

"NON-REGULAR ELECTRICAL STIMULATION PATTERNS FOR TREATING

NEUROLOGICAL DISORDERS"

I hereby state that I have reviewed and understand the contents of the above-identified

specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all

information known to me to be material to patentability as defined in 37 CFR §1.56, including for

continuation-in-part applications, material information which became available between the filing

date of the prior application and the national or PCT international filing date of the continuation

application.

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.

[Signature pages follow.]

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Ref. #37696-00041 "NON-REGULAR ELECTRICAL STIMULATION PATTERNS FOR TREATING NEUROLOGICAL DISORDERS"

Legal Name of Inventor: Warren M. Grill, Jr.

WITNESS:

Print Name

U/24/2015

Date

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Ref. #37696-00041 "NON-REGULAR ELECTRICAL STIMULATION PATTERNS FOR TREATING NEUROLOGICAL DISORDERS"

Legal Name of Inventor: Alan D. Dorval II

Alan D. Dorval II

Date: 24 TON 2015

WITNESS:

Print Name

Date

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Ref. #37696-00041 "NON-REGULAR ELECTRICAL STIMULATION PATTERNS FOR TREATING NEUROLOGICAL DISORDERS"

Legal Name of Inventor: Robert Strother

By:

Date: 25 June 2015

WITNESS:

{5356865;}

RECORDED: 06/30/2015

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