504763559 02/05/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4810287

SUBMISSION TYPE:			NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY D	ΑΤΑ					
			Name	Execution Date		
KYLE HARISH SRIVAS	TAVA			01/25/2018		
BRYAN ALLEN CLARK				01/25/2018		
ELIZABETH MARY ANNONI				01/28/2018		
JIANWEN GU				01/26/2018		
RECEIVING PARTY DA	ΑΤΑ					
Name: BOSTON SCIENTIFIC NEUROMODULATION CORPORATION						
Street Address:	25155 RYE CANYON LOOP					
City:	VALEN	VALENCIA				
State/Country:	CALIFORNIA					
Postal Code:	91355	91355				
Application Number:		15888808]		
Application Number:		1588	8808			
CORRESPONDENCE	ΔΑΤΑ					
Fax Number:						
			e-mail address first; if that is uns pat is unsuccessful, it will be ser			
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail. Email: request@slwip.com						
Correspondent Name:						
Address Line 1:						
Address Line 4:		MINN	IEAPOLIS, MINNESOTA 55402-09	938		
ATTORNEY DOCKET NUMBER:			6279.247US1			
NAME OF SUBMITTER:			KATHLEEN GANNON			
SIGNATURE:						
SIGNAIUKE:		_	/Kathleen Gannon/			
			/Kathleen Gannon/ 02/05/2018			
DATE SIGNED:				n/Declaration (37 CFR 1.63).		
			02/05/2018	n/Declaration (37 CFR 1.63).		
DATE SIGNED:	c#page1.	tif	02/05/2018	n/Declaration (37 CFR 1.63).		

COMPINED DECLADATION	Attorney Docket No.: 6279.247US1	Page 1 of 1
COMBINED DECLARATION	Client Ref No. 16-0449US01	
& ASSIGNMENT	Title: METHOD AND A MANAGEMENT WITH	PPARATUS FOR PAIN SLEEP DETECTION

ASSIGNMENT

WHEREAS, I, Kyle Harish Srivastava, Bryan Allen Clark, Elizabeth Mary Annoni, Jianwen Gu, have invented certain new and useful improvements as described in U.S. patent application, entitled METHOD AND APPARATUS FOR PAIN MANAGEMENT WITH SLEEP DETECTION, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office ("USPTO") by Application No. <u>15/888,808</u>, filed February 5, 2018 ("Invention"); and

WHEREAS, Boston Scientific Neuromodulation Corporation, a Corporation of the State of Delaware, and having an address of 25155 Rye Canyon Loop, Valencia, CA 91355 (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuationin-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

I authorize the Assignee to insert in this instrument the filing date and application number of the application when ascertained. I hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

I represent to the Assignee that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

DECLARATION

I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe I am an original or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me. I am aware of and acknowledge my duty to disclose to the USPTO all information known to me to be material to patentability of the claims in the above-identified patent application. I 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.

Kyle Harish Srivastava

Date Bryar Allen Clark

Date 1/25/20

Elizabeth Mary Annoni

Date

Jianwen Gu

Date

COMBINED DECLARATION & ASSIGNMENT

Attorney Docket No.: 6279.247US1 Page 1 of 1

Client Ref No. 16-0449US01

Title: METHOD AND APPARATUS FOR PAIN MANAGEMENT WITH SLEEP DETECTION

ASSIGNMENT

WHEREAS, I, Kyle Harish Srivastava, Bryan Allen Clark, Elizabeth Mary Annoni, Jianwen Gu, have invented certain new and useful improvements as described in U.S. patent application, entitled METHOD AND APPARATUS FOR PAIN MANAGEMENT WITH SLEEP DETECTION, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office ("USPTO") by Application No. <u>15/888,808</u>, filed <u>February 5, 2018</u> ("Invention"); and

WHEREAS, Boston Scientific Neuromodulation Corporation, a Corporation of the State of Delaware, and having an address of 25155 Rye Canyon Loop, Valencia, CA 91355 (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequaçy of which are hereby acknowledged, I transfer to Assignee my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuation-in-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

I authorize the Assignee to insert in this instrument the filing date and application number of the application when ascertained. I hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

I represent to the Assignee that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

DECLARATION

I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe I am an original or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me. I am aware of and acknowledge my duty to disclose to the USPTO all information known to me to be material to patentability of the claims in the above-identified patent application. I 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.

Kyle Harish Srivastava

Elizabeth Mary Annoni

Date <u>01/28/18</u>

Bryan Allen Clark

Date _____

Date _____

Jianwen Gu

Date _____

COMBINED DECLARATION & ASSIGNMENT

Attorney Docket No.: Page 1 of 1 6279.247US1

Client Ref No. 16-0449US01

Title: METHOD AND APPARATUS FOR PAIN MANAGEMENT WITH SLEEP DETECTION

ASSIGNMENT

WHEREAS, 1, Kyle Harish Srivastava, Bryan Allen Clark, Blizabeth Mary Annoni, Jianwen Gu, have invented certain new and useful improvements as described in U.S. patent application, entitled METHOD AND APPARATUS FOR PAIN MANAGEMENT WITH SLEEP DETECTION, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office ("USPTO") by Application No. 15/888.808 , filed February 5, 2018 ("Invention"); and

WHEREAS, Boston Scientific Neuromodulation Corporation, a Corporation of the State of Delaware, and having an address of 25155 Rye Canyon Loop, Valencia, CA 91355 (together with its successors and assigns, the "Assignce"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignce my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuationin-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

I authorize the Assignee to insert in this instrument the filing date and application number of the application when ascertained. I hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

I represent to the Assignee that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

DECLARATION

I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe 1 am an original or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me. I am aware of and acknowledge my duty to disclose to the USPTO all information known to me to be material to patentability of the claims in the above-identified patent application. I 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.

Date _____

Elizabeth Mary Annoni

Date _____

Bryan Allen Clark

Date _____

Jianwen Gu fiamuren Hu Date 26 Jan 2018

PATENT REEL: 044834 FRAME: 0924

RECORDED: 02/05/2018