#### 506213116 08/20/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6259859

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
YINGHONG YU	07/26/2020
KRZYSZTOF Z. SIEJKO	04/30/2020
QI AN	04/30/2020

#### **RECEIVING PARTY DATA**

Name:	CARDIAC PACEMAKERS, INC.	
Street Address:	4100 HAMLINE AVENUE NORTH	
City:	ST. PAUL	
State/Country:	MINNESOTA	
Postal Code:	<b>Fal Code:</b> 55112-5798	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16845730

#### **CORRESPONDENCE DATA**

Fax Number:

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.

**Email:** request@slwip.com

Correspondent Name: SCHWEGMAN LUNDBERG & WOESSNER P.A.

Address Line 1: P.O. BOX 2938

Address Line 4: MINNEAPOLIS, MINNESOTA 55402

ATTORNEY DOCKET NUMBER:	279.O98US1	
NAME OF SUBMITTER: TAMERAE ROBINSON		
SIGNATURE: /Tamerae Robinson/		
DATE SIGNED:	08/20/2020	

**Total Attachments: 3** 

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PATENT 506213116 REEL: 053551 FRAME: 0679

## RECORDATION FORM COVER SHEET PATENTS ONLY

Attv Ref/Docket No.: 279.098US1 Patent and Trademark Office To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: Cardiac Pacemakers, Inc. Yinghong Yu, Krzysztof Z. Siejko, Qi An Street Address: 4100 Hamline Avenue North Additional name(s) of conveying party(ies) attached? City: <u>St. Paul</u> State: <u>MN</u> Zip: Country: <u>United States of America</u> Zip: <u>55112-5798</u> [ ]Yes [X]No 3. Nature of conveyance: Additional name(s) & address(es) attached? []Yes [X]No [X] Assignment [ ] Merger [ ] Security Agreement [ ] Change of Name [ ] Other Execution Date: July 26, 2020, April 30, 2020, April 30, 2020 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) Serial No. 16/845,730 Additional numbers attached? [ ]Yes [X]No 6. Total number of applications and patents involved: 1 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41):\$ 0.00 Name: Edward J. Sandor [[Enclosed [Authorized to be charged to deposit account Address: 19-0743 Schwegman Lundberg & Woessner, P.A. P.O. Box 2938 Please charge any additional fees or credit any over Minneapolis, Minnesota 55402 payments to our Deposit Account No.: 19-0743 DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Edward J. Sandor/Reg. No. 60,826 Name of Person Signing Total number of pages including cover sheet: 3 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Mail Stop Assignment Recordation Services

P.O. Box 1450

Alexandria, VA 22313-1450

PATENT REEL: 053551 FRAME: 0680

# COMBINED DECLARATION & ASSIGNMENT

Attorney Docket No.: 279.098US1

Page 1 of 1

Client Ref No. 18-0462US01

Title: CARDIAC RESYNCHRONIZATION THERAPY HEART SOUND RESPONSE CHARCTERIZATION

ASSIGNMENT			
WHEREAS, I, Yinghong Yu, Krzysztof Z. Siejko, Qi An, have invented certain new and useful improvements as described in U.S. patent application, entitled CARDIAC RESYNCHRONIZATION THERAPY HEART SOUND RESPONSE CHARCTERIZATION, 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>16/845.730</u> , filed <u>April 10, 2020</u> ("Invention"); and			
WHEREAS, Cardiac Pacemakers, Inc., a Corporate 4100 Hamline Avenue North, St. Paul, MN 55112-5798 (to seeks to memorialize its ownership of the entire right, title and the seeks to memorialize its ownership of the entire right, title and the seeks to memorialize its ownership of the entire right, title and the seeks to memorialize its ownership of the entire right, title and the seeks to memorialize its ownership of the entire right, title and the seeks to memorialize its ownership of the entire right.			
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, 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.			
Yinghong Yu	Krzysztof Z. Siejko		
Date 7/26/20	Date		
Qi An			
Date			

COMBINED DECLARATION & ASSIGNMENT

Attorney Docket No.: 279.098US1

Page 1 of 1

Client Ref No. 18-0462US01

Title: CARDIAC RESYNCHRONIZATION THERAPY HEART SOUND RESPONSE CHARCTERIZATION

#### ASSIGNMENT

WHEREAS, I, Yinghong Yu, Krzysztof Z. Siejko, Qi An, have invented certain new and useful improvements as described in U.S. patent application, entitled CARDIAC RESYNCHRONIZATION THERAPY HEART SOUND RESPONSE CHARCTERIZATION, 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. 16/845,730, filed April 10, 2020 ("Invention"); and

WHEREAS, Cardiac Pacemakers, Inc., a Corporation of the State of Minnesota, and having an address of 4100 Hamline Avenue North, St. Paul, MN 55112-5798 (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, 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.

		That
Yinghong Yu		Krzysztof Z. Siejk8033060E242487
Date	DocuBigned by:	Date
Qi An 4/30/2020 Date	771A88CEB4854D5	

PATENT REEL: 053551 FRAME: 0682

--- DocuSigned by:

RECORDED: 08/20/2020