11/07/2016 504085157

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4131825

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WENBO HOU	09/28/2015
FUJIAN QU	10/06/2015
STUART ROSENBERG	09/22/2015
KYUNGMOO RYU	09/21/2015

RECEIVING PARTY DATA

Name:	PACESETTER, INC.
Street Address:	15900 VALLEY VIEW CT
City:	SYLMAR
State/Country:	CALIFORNIA
Postal Code:	91392-9221

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15345163

CORRESPONDENCE DATA

Fax Number: (818)362-4795

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: 818-362-6822 Email: epineiro@sjm.com PACESETTER, INC. **Correspondent Name:** 15900 VALLEY VIEW CT Address Line 1:

Address Line 4: SYLMAR, CALIFORNIA 91392-9221

NAME OF SUBMITTER:	ESTELLA PINEIRO
SIGNATURE:	/Estella Pineiro/
DATE SIGNED:	11/07/2016

Total Attachments: 3

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> **PATENT** REEL: 040245 FRAME: 0064

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, we

- 1) Wenbo Hou 22531 Brightwood Pl Santa Clarita, CA 91350
- 3 Stuart Rosenberg 31413 Arena Drive Castaic, CA 91384

- 2) Fujian Qu 1535 Touraine Drive San Jose, CA 95118
- 4) Kyungmoo Ryu 37460 Ruby Red Lane Palmdale, CA 93551
- 1. HEREBY sell, assign, and transfer to Pacesetter, Inc., herein the "Assignee," the entire right, title and interest in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled

SYSTEM AND METHOD FOR DETERMINING A STIMULATION THRESHOLD FOR CLOSED LOOP SPINAL CORD STIMULATION

being identified in Pacesetter records as case number:

A15P1019

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

2. AGREE that Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns, and legal representatives who carry out in good faith the intent and purpose of this agreement, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns, or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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> PATENT REEL: 040245 FRAME: 0065

mongage, license or other agreement affecting the r	sor, assigns and legal representatives that no assignment, grant, ights and property herein conveyed has been made to others by the is herein expressed is possessed by the undersigned.
Date: 9/28/15	Signature: Wenbo Hou
Date:	Signature:Fujian Qu
Date: 9/27/15	Signature: Stuart Rosenberg
Date: 9/2//15	Signature: Kyungmoo Ryu

mortgage, license or other agreement affecting undersigned, and that full right to convey the sa	the rights and property herei	n conveyed has been made to others by t	h
Date:	Signature:	Wenbo Hou	
Date: 10/6/2015	Signature:/	Fujian Qu	
Date:	Signature:	Stuart Rosenberg	•••
Date:	Signature:	Kyungmoo Ryu	