

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5450691

| | |
|---|--|
| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the INVENTOR NAME FROM JOHN F. HANSES TO JOHN F. HANSEN previously recorded on Reel 048745 Frame 0662. Assignor(s) hereby confirms the INVENTOR LAST NAME SHOULD BE HANSEN, NOT HANSES, PURSUANT TO THE EXECUTED ASSIGNMENT.. |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DANIEL I HARJES | 07/26/2018 |
| JOHN F HANSEN | 03/21/2018 |
| JOSEPH C STARK III | 07/30/2018 |
| GHAZAL A MAURO | 03/19/2018 |
| ERIC LEE | 03/20/2018 |
| JUSTIN A CALLAWAY | 09/06/2018 |
| ONUR DUR | 07/28/2018 |
| RECEIVING PARTY DATA | |
| Name: | TC1 LLC |
| Street Address: | ONE ST. JUDE MEDICAL DRIVE |
| City: | ST. PAUL |
| State/Country: | MINNESOTA |
| Postal Code: | 55117 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15939033 |
| CORRESPONDENCE DATA | |
| Fax Number: | (650)326-2422 |
| <i>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.</i> | |
| Phone: | 650-326-2400 |
| Email: | omontesc@kilpatricktownsend.com |
| Correspondent Name: | NENA BAINS |
| Address Line 1: | KILPATRICK TOWNSEND AND STOCKTON LLP |
| Address Line 2: | 1100 PEACHTREE STREET, SUITE 2800 |
| Address Line 4: | ATLANTA, GEORGIA 30309 |
| ATTORNEY DOCKET NUMBER: | 096205-028010US-1073100 |

| | |
|---|----------------------|
| NAME OF SUBMITTER: | OMAR MONTES CHAVEZ |
| SIGNATURE: | /Omar Montes Chavez/ |
| DATE SIGNED: | 04/01/2019 |
| Total Attachments: 9 source=096205-028010US-1073100 assiognement for correction#page1.tif source=096205-028010US-1073100 assiognement for correction#page2.tif source=096205-028010US-1073100 assiognement for correction#page3.tif source=096205-028010US-1073100 assiognement for correction#page4.tif source=096205-028010US-1073100 assiognement for correction#page5.tif source=096205-028010US-1073100 assiognement for correction#page6.tif source=096205-028010US-1073100 assiognement for correction#page7.tif source=096205-028010US-1073100 assiognement for correction#page8.tif source=096205-028010US-1073100 assiognement for correction#page9.tif | |

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5449359

| | |
|---|--------------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DANIEL I HARJES | 07/26/2018 |
| JOHN F HANSES | 03/21/2018 |
| JOSEPH C STARK III | 07/30/2018 |
| GHAZAL A MAURO | 03/19/2018 |
| ERIC LEE | 03/20/2018 |
| JUSTIN A CALLAWAY | 09/06/2018 |
| ONUR DUR | 07/28/2018 |
| RECEIVING PARTY DATA | |
| Name: | TC1 LLC |
| Street Address: | ONE ST. JUDE MEDICAL DRIVE |
| City: | ST. PAUL |
| State/Country: | MINNESOTA |
| Postal Code: | 55117 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15939033 |
| CORRESPONDENCE DATA | |
| Fax Number: | (650)326-2422 |
| <i>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.</i> | |
| Phone: | 650-326-2400 |
| Email: | omontesc@kilpatricktownsend.com |
| Correspondent Name: | NENA BAINS |
| Address Line 1: | KILPATRICK TOWNSEND AND STOCKTON LLP |
| Address Line 2: | 1100 PEACHTREE STREET, SUITE 2800 |
| Address Line 4: | ATLANTA, GEORGIA 30309 |
| ATTORNEY DOCKET NUMBER: | 096205-028010US-1073100 |
| NAME OF SUBMITTER: | OMAR MONTES CHAVEZ |
| SIGNATURE: | /Omar Montes Chavez/ |
| DATE SIGNED: | 03/29/2019 |

ASSIGNMENT
(Patent Application)

We, the undersigned, have invented certain inventions and improvements disclosed in a utility provisional patent application entitled “ADJUSTING PUMP PROTOCOL BASED ON IRREGULAR HEART RHYTHM,” which was filed with the U.S. Patent & Trademark Office on March 29, 2017 and assigned serial no. 62/478,424.

For good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

1. Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to TC1 LLC, a limited liability company of the State of Delaware having a principal place of business at One St. Jude Medical Drive, St. Paul, Minnesota 55117 (“Assignee”), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and
 - (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C.

ASSIGNMENT

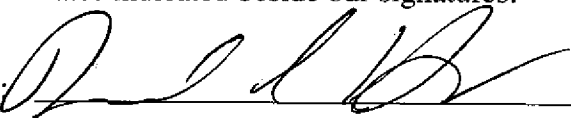
U.S. Serial No. 62/478,424

Page 2 of 3

§154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.

2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Signed on the dates indicated beside our signatures.

Signature: 
Daniel I. Harjes

Date: 7/26/2018

Signature: _____
John Freddy Hansen

Date: _____

Signature: _____
Joseph C. Stark, III

Date: _____

ASSIGNMENT

U.S. Serial No. 62/478,424

Page 2 of 3

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5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Signed on the dates indicated beside our signatures.

Signature: _____

Daniel I. Harjes

Date: _____

Signature:  _____

John Freddy Hansen

Date: March 21, 2018

Signature: _____

Joseph C. Stark, III

Date: _____

ASSIGNMENT

U.S. Serial No. 62/478,424

Page 2 of 3

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5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Signed on the dates indicated beside our signatures.

Signature: _____

Daniel I. Harjes

Date: _____

Signature: _____

John Freddy Hansen

Date: _____

Signature: JOSEPH C. STARK

Joseph C. Stark, III

Date: 30 JULY 2018

Signature: _____

Ghazal Anvar Mauro

Date: _____

ASSIGNMENT

U.S. Serial No. 62/478,424

Page 3 of 3

Signature: _____

Ghazal Anvar Mauro

Date: _____

03/19/2018

Signature: _____

Eric Lee

Date: _____

Signature: _____

Justin A. Callaway

Date: _____

Signature: _____

Onur Dur

Date: _____

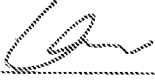
ASSIGNMENT

U.S. Serial No. 62/478,424

Page 3 of 3

Signature: _____
Ghazal Anvar Mauro

Date: _____

Signature:  _____
Eric Lee

Date: 20/04/2013

Signature: _____
Justin A. Callaway

Date: _____

Signature: _____
Onur Dur

Date: _____

Signature: _____

Ghazal Anvar Mauro

Date: _____

Signature: _____

Eric Lee

Date: _____

Signature: _____

Justin A. Callaway

Date: 6 Sept 2018

Signature: _____

Onur Dur

Date: _____

ASSIGNMENT

U.S. Serial No. 62/478,424

Page 3 of 3

Signature: _____

Ghazal Anvar Mauro

Date: _____

Signature: _____

Eric Lee

Date: _____

Signature: _____

Justin A. Callaway

Date: _____

Signature:  _____

Onur Dur

Date: 07/28/2018

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