

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5070889

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ETHAN PETERSEN	07/25/2018
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:	15716168	
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:	pjackson@kilpatricktownsend.com	
Correspondent Name:	NENA BAINS	
Address Line 1:	KILPATRICK TOWNSEND AND STOCKTON LLP	
Address Line 2:	2 EMBARCADERO CENTER, 8TH FLOOR	
Address Line 4:	SAN FRANCISCO, CALIFORNIA 94111	
ATTORNEY DOCKET NUMBER:	096205-023010US-1055253	
NAME OF SUBMITTER:	PENNY JACKSON	
SIGNATURE:	/Penny Jackson/	
DATE SIGNED:	07/27/2018	
Total Attachments: 2		
source=Executed_Assignment_096205-023010US-1055253#page1.tif		
source=Executed_Assignment_096205-023010US-1055253#page2.tif		

ASSIGNMENT
(Patent Application)

I, the undersigned, have invented certain inventions and improvements disclosed in a utility non-provisional patent application entitled "HEART PUMP DRIVELINE POWER MODULATION," which was filed with the U.S. Patent & Trademark Office on September 26, 2017, and assigned serial no. 15/716,168.

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

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, and 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) the right to claim priority to the above-referenced patent application, and any and all applications referenced in subsection (b); and
 - (d) 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

ASSIGNMENT

U.S. Serial No. 15/716,168

Page 2 of 2

- (e) 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. §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 me, as well as my heirs, legal representatives, and assigns.
 5. Promise and affirm that I have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Signed on the dates indicated beside my signature.

Signature: 
Ethan F. Petersen

Date: July 25, 2018

KILPATRICK TOWNSEND 70212137 1