## 506378322 12/01/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6425078

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MARIAN CREAVEN	11/18/2013
MARC ANDERSON	11/19/2013
KATE CORISH	11/19/2013
DECLAN COSTELLO	11/19/2013
NIALL DUFFY	11/20/2013
JOSHUA DWORK	01/08/2013
JOHN GALLAGHER	11/18/2013
PATRICK GRIFFIN	11/19/2013
GAVIN KENNY	11/19/2013
DEIRDRE MCGOWAN SMYTH	11/18/2013
JOHN MILROY	11/19/2013
JASON QUILL	11/18/2013
HERINAINA RABARIMANANTSOA	01/10/2014
PAUL ROTHSTEIN	11/19/2013
JEFFREY SANDSTROM	12/02/2013
EDMOND SHEAHAN	11/18/2013
FRANK WHITE	11/19/2013

### **RECEIVING PARTY DATA**

Name:	MEDTRONIC VASCULAR GALWAY	
Street Address:	PARKMORE BUSINESS PARK WEST	
City:	BALLYBRIT, GALWAY	
State/Country:	IRELAND	

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

Property Type	Number
Application Number:	17108242

#### **CORRESPONDENCE DATA**

**Fax Number:** (707)543-5420

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.

506378322 REEL: 054503 FRAME: 0767

PATENT

**Phone:** 707-566-1375

Email: rs.patents.five@medtronic.com

Correspondent Name: MEDTRONIC VASCULAR, INC. IP LEGAL DEPART

Address Line 1: 3576 UNOCAL PLACE

Address Line 4: SANTA ROSA, CALIFORNIA 95403

ATTORNEY DOCKET NUMBER:	C00005284US01CON	
NAME OF SUBMITTER:	STEPHANIE M. KWONG	
SIGNATURE:	/Stephanie M. Kwong/	
DATE SIGNED:	12/01/2020	

#### **Total Attachments: 18**

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> PATENT REEL: 054503 FRAME: 0768

# <u>ASSIGNMENT</u>

WHEREAS we, the below named inventor(s), MARIAN CREAVEN; MARC ANDERSON; KATE CORISH; DECLAN COSTELLO; NIALL DUFFY; JOSHUA DWORK; JOHN GALLAGHER; PATRICK GRIFFIN; GAVIN KENNY; DEIRDRE MCGOWAN SMYTH; JOHN MILROY; JASON QUILL; HERINAINA RABARIMANANTSOA; PAUL ROTHSTEIN; JEFFREY SANDSTROM; EDMOND SHEAHAN and FRANK WHITE, have made an invention in

#### SYSTEMS. DEVICES AND METHODS FOR TRANSCATHETER VALVE DELIVERY

or which a U.S. Provisional Application No. 61/893,399, was filed on October 21, 2013;

WHEREAS, <u>MEDTRONIC VASCULAR GALWAY</u> having a place of business at <u>Parkmore Business Park West</u>, <u>Ballybrit</u>, <u>Galway Ireland</u> hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in and to said invention for the United States and for all foreign countries and in and to any and all foreign and domestic Letters Patent which may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we have sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said invention and the application(s) identified above, and in and to any application claiming benefit thereto, and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor including our rights under the International Convention for the Protection of Industrial Property, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Letters Patent that may be granted, the same to be held and enjoyed by ASSIGNEE for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made, including the right to enforce such Letters Patent as fully and entirely as the same would have been held and enjoyed by the assignors if this assignment had not been made; together with all claims by assignors for damages by reason of past infringement or for provisional rights and including the right to sue for, and collect the same for its own use and benefit, and for the use and benefit of its successors, assigns, and other legal representatives:

AND, for the consideration aforesaid, we materially represent to ASSIGNEE, its successors and assigns, that at the time of the execution and delivery of these presents, we are the sole lawful owners of the entire right, title and interest in and to the invention, application and Letters Patent above mentioned, and that the same are unencumbered, and that we have good right and lawful authority to sell and convey the same in the manner herein set forth;

AND, for the consideration aforesaid, we hereby individually covenant and agree to and with ASSIGNEE, its successors and assigns, that whenever its counsel or the counsel of its successors or assigns, learned in the law, shall advise that an amendment or division of, or continuation or any continuation-in-part thereof, or any other proceeding in connection with the filing or prosecution of said domestic or foreign patent applications is lawful and desirable, or that a reissue or extension of said Letters Patent is lawful and desirable, we, or our executors, administrators or assigns will sign all papers and drawings, take all rightful oaths, and do all acts necessary or required to be done for the procurement of valid Letters Patent for said invention, or for the reissue or extension of the same, without charge to ASSIGNEE, its successors or assigns, but at ASSIGNEE'S expense.

We hereby authorize and request the Honorable Commissioner of Patents to issue any and all Letters Patent to ASSIGNEE in accordance with this instrument.

Page I 1

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\underline{13}$  day of  $\underline{\infty}$ , 2013.

MARIAN CREAVEN

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{11}{2}$  day of  $\frac{11}{2}$ , 2013.

And Campana Marc anderson

IN WITNESS WHEREOF, we have signed our name(s) below on this 2 day of 101, 2013.

KATE CORISH

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{17}{2}$  day of  $\frac{\text{Nov}}{2}$ , 2013.

DECLAN COSTĚLLO

IN WITNESS WHEREOF, we have signed our name(s) below on this<u>ょり</u> day of <u>쓰うく</u>, 2013.

NIALL DUFFY

IN WITNESS WHEREOF, we have signed our name(s) below on this Stay of SAN, 2013.

JOSHUA DWORK

IN WITNESS WHEREOF, we have signed our name(s) below on this /火 day of <u>メンソ</u>, 2013.

OHN GALLAGUER

IN WITNESS WHEREOF, we have signed our name(s) below on this <u>19</u> day of <u>Nov.</u>, 2013.

PATRICK GRIFFIN

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{\sqrt{2}}{2}$  day of  $\frac{\sqrt{2}}{2}$ . 2013.

GAVÍN KENNY

IN WITNESS WHEREOF, we have signed our name(s) below on this <u>R</u> day of <u>Ma</u>. 2013.

DEIRDRE MCGOWAN SMYTH

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{\sqrt{9}}{2}$  day of  $\frac{\sqrt{9}}{2}$ , 2013.

JOHN MII ROY

IN WITNESS WHEREOF, we have signed our name(s) below on this \( \frac{\sqrt{2}}{2} \display \dinploy \dinplay \display \display \

JASON QUILL

IN WITNESS WHEREOF, we have signed our name(s) below on this 10 day of Inverse 2013 2014

Linear Colonia Colonia and For HERINAINA RABARIMANANTSOA

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{19}{2}$  day of  $\frac{200}{2}$ , 2013.

PAUL ROTHSTEIN

IN WITNESS WHEREOF, we have signed our name(s) below on this 25day of DEC, 2013.

JEFFREY BANDSTROM

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{18}{2}$  day of  $\frac{NeV}{2}$ , 2013.

EDMOND SHEAHAN

IN WITNESS WHEREOF, we have signed our name(s) below on this  $\frac{19}{2}$  day of  $\frac{1000}{2}$ , 2013.

FRANK WHITE