504909145 05/10/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT4955889

CONVEYING PARTY DATA

Name	Execution Date
ARNAZ MALHI	11/08/2012
DANIEL HUTTON	12/11/2012
MANISH DESHPANDE	11/11/2012
PHILLIP SHALTIS	11/06/2012

RECEIVING PARTY DATA

Name:	COVIDIEN LP
Street Address:	15 HAMPSHIRE STREET
City:	MANSFIELD
State/Country:	MASSACHUSETTS
Postal Code:	02048

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14997954

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.

Phone: 707 525 0111

Email: kim.grigg@medtronic.com

Correspondent Name: KIM S GRIGG

Address Line 1: 3576 UNOCAL PLACE

Address Line 4: SANTA ROSA, CALIFORNIA 95403

ATTORNEY DOCKET NUMBER: H-KN-02407.USV3

NAME OF SUBMITTER: THOMAS M. JOHNSON

SIGNATURE: /Thomas M. Johnston Reg. No. 41098/

DATE SIGNED: 05/10/2018

Total Attachments: 5

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PATENT 504909145 REEL: 045769 FRAME: 0846

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> PATENT REEL: 045769 FRAME: 0847

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, we jointly and each individually, the undersigned ASSIGNORS,

Arnaz Malhi, 87 Watertown Street, Watertown, MA 02472; **Daniel Hutton**, 60 Claymon Road, Brighton, MA 02135; **Manish Deshpande**, 34 Apple Blossom Way, Canton, MA 02021; **Philip Shaltis**, 80 Cedar Street, Sharon, MA 02067.

HEREBY ASSIGN, TRANSFER, AND SELL, without restrictions, reservations, or limitations, our and my entire right, title, and interest in and to any and all inventions disclosed and/or claimed in application for Letters Patent titled

THROMBECTOMY CATHETER SYSTEMS

bearing U.S. Patent Application No. <u>13/630,323</u>, filed on <u>September 28, 2012</u>,

unto ASSIGNEE,

COVIDIEN LP

a Delaware limited partnership having a place of business at 15 Hampshire Street, Mansfield, Massachusetts 02048 USA, its successors and assigns, in and throughout the United States of America, its territories and dependencies, and all countries foreign thereto, in and to any and all said inventions and said application, and/or international application filed under any international patent law treaty, including the Patent Cooperation Treaty, and including any and all national stage, regional stage, provisional, non-provisional, continuation, divisional, continuing, and reissue applications based in whole or in part on said applications and/or in whole or in part on any said inventions, including the right to claim priority thereto, and any and all patents including extensions thereof of any country which have been or may be granted on any of said applications or including said inventions or any part thereof, as fully and entirely as the same would have been held and enjoyed by us and me had no sale and assignment of said interest been made; and to enforce any said patents in any court of competent jurisdiction and obtain all remedies available, including but not limited to, injunctions and to recover lost profits or compensatory and enhanced damages and attorney fees for any and all infringements thereof;

HEREBY jointly and each individually agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, continuation, divisional, continuing, reissue, national, regional or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said any and all inventions or any part thereof, and in and to said several patents or any of said patents;

Page 1 of 2

Application No.: 13/630,323 Docket No.: <u>H-KN-02407(1)</u>

HEREBY jointly and each individually authorize said ASSIGNEE and/or any legal representative of said ASSIGNEE to modify this Assignment solely to include any identifying information for any and all said patent applications, including patent application number and patent application filing date; and

HEREBY jointly and each individually covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use, or sell said invention to anyone except said ASSIGNEE, that prior to the execution of this deed, our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

Amaz Malli	
Arnaz Malhi 11/8/2012	Witness Name:
Date / /	
Daniel Hutton	Witness Name:
Date	
Manish Deshpande	Witness Name:
Date	
Philip Shaltis	Witness Name:
Date	

Application No.: 13/630,323 Docket No.: <u>H-KN-02407(1)</u>

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Arnaz Malhi	Witness Name:	
Date		
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Daniel Hutton	Witness	
12-11-12	Name:	
Date		
Manish Deshpande	Witness	
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Date		
Philip Shaltis	Witness	
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Date	Name:	

Application No.: 13/630,323 Docket No.: <u>H-KN-02407(1)</u>

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Arnaz Malhi	Witness Name:	
Date		
Daniel Hutton	Witness Name:	
Dage Delich Porch		
Manish Deshpande	Witness	
Date Date	Name:	
Philip Shaltis	Witness	
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Application No.: 13/630,323 Docket No.: <u>H-KN-02407(1)</u>

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Arnaz Malhi	Witness
	Name:
Date	
Daniel Hutton	Witness
	Name:
Date	
Manish Deshpande	Witness
1	Name:
Date	
Phillip Shalfis	
Philip Shaltis	Witness
Phillip 11/6/2012	Name: