PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6528756

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| DAVID M. COSTELLO | 06/24/2016 |
| ALEX A. PETERSON | 06/24/2016 |
| THOMAS A. MAGNUSON | 07/18/2016 |
| BRIAN T. STOLZ | 07/13/2016 |
| BENJAMIN GREENBURG | 06/29/2016 |

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: | 17165104 | |

CORRESPONDENCE DATA

Fax Number: (303)581-6632

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: 303-530-2300

rs.patents.two@medtronic.com, nrispone@carterdeluca.com, Email:

mail@carterdeluca.com

Correspondent Name: COVIDIEN LP

Address Line 1: 5920 LONGBOW DRIVE

Address Line 2: ATTN: IP LEGAL

Address Line 4: **BOULDER, COLORADO 80301**

| ATTORNEY DOCKET NUMBER: | 355911US02CON |
|-------------------------|-----------------|
| NAME OF SUBMITTER: | JOSHUA ZARABI |
| SIGNATURE: | /Joshua Zarabi/ |
| DATE SIGNED: | 02/02/2021 |
| | |

Total Attachments: 10

PATENT REEL: 055111 FRAME: 0817

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PATENT REEL: 055111 FRAME: 0818

For: [X] U.S. and/or [X] Foreign Rights
For: [X] U.S. Application or [] U.S. Patent
By: [X] Inventor or [] Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNORS of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

| | | David M. Costello Alex A. Peterson Thomas D. Magnuson |
|--------------------------|--------------------|---|
| | | is by person or entity to whom invention was previously assigned and this was recorded in ollowing) Recorded on: Reel Frame |
| hereb | y sells, a | assigns and transfers to |
| ASSIC | GNEE: | Covidien LP 15 Hampshire Street Mansfield, MA 02048 US |
| and th | e succe | ssors, assigns and legal representatives of the ASSIGNEE |
| [X] th | e entire | right, title and interest |
| | undivide ssions | ed percent (%) interest for the United States and its territorial |
| future | infringe | foreign countries, including all rights to claim priority, the right to sue for present, past and ment, in the United States, its territorial possessions, and in all foreign countries, including all wention rights in and to the invention and any and all improvements entitled: |
| <u> </u> | <u>METHOI</u> | O OF MANUFACTURING AN ELONGATED CATHETER HAVING SENSOR AND AN |
| | | EXTENDED WORKING CHANNEL (Title) |
| and w | hich is fo | |
| (a) (b) (c) (d) | [x] [x] [] | U.S. application Serial No. 15/228,321 filed on August 4, 2016. U.S. provisional application No. 62/222,449 filed on September 23, 2015. U.S. Patent No issued PCT application No filed on A change of address to which correspondence is to be sent regarding patent |
| (e) | [x] | maintenance fees is being sent separately. and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof. |

Page 1 of 3

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all such Letters Patent to ASSIGNEE:

ASSIGNORS further covenant to promptly provide all pertinent facts and documents known and accessible to ASSIGNORS relating to said invention and said Letters Patent and legal equivalents; to testify as to the same in any interference, litigation or proceeding related thereto; to execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefore in said ASSIGNEE, its successors, assigns or other legal representatives; to execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefore; and to make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, all without further compensation, but at the sole expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS hereby grant ASSIGNEE and Assignee's attorneys the power to insert the Serial No. and/or filing date of the above-described application(s) after such information becomes known to them.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal.

| Daid W | 1 Puth | 6/24/16 |
|--------------------|---|---------------------------|
| David M. | Costello | (Date) |
| Ctata of Minnagata | , | |
| State of Minnesota |) ss | |
| County of |) | |
| Ве | fore me this $\frac{\partial \mathcal{Y}^{+h}}{\partial \mathcal{Y}^{+h}}$ day of $\frac{\partial \mathcal{Y}^{-h}}{\partial \mathcal{Y}^{-h}}$ | 2016, personally appeared |

Before me this All day of 2016, personally appeared **David M. Costello**, to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

EMILY J NORDSTROM
Notary Public
Minnesota
My Comm. Expires
Jan 31, 2018

Notary Public

AFFIX SEAL

| Alex A. Peterson | 24JW// (Date) |
|--|---|
| State of Minnesota)) ss County of) | |
| Before me this QY day of day of Peterson, to me personally known to be the person described if and acknowledged to me that he/she executed the same of his forth. EMILY J NORDSTROM Notary Public Minnesota My Comm. Expires Jan 31, 2018 | in and who executed the above instrument, |
| AFFIX SEAL | |
| Thomas D. Magnuson | (Date) |
| State of Minnesota)) ss County of) | |
| Before me this day of Magnuson, to me personally known to be the person described and acknowledged to me that he/she executed the same of his forth. | |
| | Notary Public |
| AFFIX SEAL | |

Page 3 of 3

For: [X] U.S. and/or [X] Foreign Rights
For: [X] U.S. Application or [] U.S. Patent
By: [X] Inventor or [] Present Owner

ASSIGNMENT OF INVENTION

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| ASSIG | NORS: | | |
|--------------|------------------------|---------------------------------------|--|
| | | David M. Cost | |
| | | Alex A. Peters | |
| | | Thomas D. Ma | ignuson |
| | | | entity to whom invention was previously assigned and this was recorded in |
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| | | Reel | |
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| hereby | sells, a | assigns and trans | fers to |
| ASSIG | NEE. | | |
| 70010 | IVLL. | | Covidien LP |
| | | | 15 Hampshire Street |
| | | | Mansfield, MA 02048 |
| | | | <u>US</u> |
| and the | e succe | ssors, assigns a | nd legal representatives of the ASSIGNEE |
| [X] the | e entire | right, title and int | erest |
| [] an | undivide | ed | percent (%) interest for the United States and its territorial |
| posses | | | - |
| r) /3 | | f t | in about on all visible to plain priority, the right to also for present, past and |
| [X] an | a in ali i infrince | roreign countries ment in the Unit | , including all rights to claim priority, the right to sue for present, past and ed States, its territorial possessions, and in all foreign countries, including all |
| treaty | and cor | vention rights in | and to the invention and any and all improvements entitled: |
| • | | _ | |
| <u>N</u> | <u> METHO</u> | <u>D OF MANUFAC</u> | CTURING AN ELONGATED CATHETER HAVING SENSOR AND AN |
| | | | EXTENDED WORKING CHANNEL (Title) |
| and w | nich is f | ound in | (Title) |
| and m | | | |
| (a) | [x] | U.S. application | on Serial Nofiled on |
| (b) | [x] | U.S. provision | al application No.62/222,449 filed on September 23, 2015. |
| (c) (d) | [] [] | D.S. Patent No | o issued on No filed on |
| (u) | | A change of a | ddress to which correspondence is to be sent regarding patent |
| | . 1 | maintenance f | ees is being sent separately. |
| (e) | [x] | and any legal | equivalent thereof in a foreign country, including the right to claim priority |
| | | and, in and to | , all Letters Patent to be obtained for said invention by the above |
| | | application or | any continuation, continuation-in-part, divisional, renewal, or substitute s to letters patent any reissue or re-examination thereof. |
| | | mereor, and a | s to letters paterit arry reissue or re-examination thereon. |

Page 1 of 3

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all such Letters Patent to ASSIGNEE:

ASSIGNORS further covenant to promptly provide all pertinent facts and documents known and accessible to ASSIGNORS relating to said invention and said Letters Patent and legal equivalents; to testify as to the same in any interference, litigation or proceeding related thereto; to execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefore in said ASSIGNEE, its successors, assigns or other legal representatives; to execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of any Letters Patents to be granted therefore; and to make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein, all without further compensation, but at the sole expense of ASSIGNEE, its successors, assigns, or other legal representatives.

ASSIGNORS hereby grant ASSIGNEE and Assignee's attorneys the power to insert the Serial No. and/or filing date of the above-described application(s) after such information becomes known to them.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal.

AFFIX SEAL

| David M. | Costello | (Date) |
|--------------------|-----------|--|
| State of Minnesota |)) ss | |
| County of |) | |
| | | 2016, personally appeared David M. on described in and who executed the above instrument e same of his own free will for the purposes therein set |
| | | Notary Public |

| Alex A. Peter | son | (Date) |
|---|--|---|
| State of Minnesota | | |
| State of Minnesota |) | |
| County of |) ss) | |
| Before Peterson, to me person and acknowledged to m forth. | me this day of nally known to be the person d te that he/she executed the sa | 2016, personally appeared Alex A. lescribed in and who executed the above instrument, me of his own free will for the purposes therein set |
| | | Notary Public |
| AFFIX SEAL | | |
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| 10 DM | | 18.1, 2011 |
| Thomas D. Mag | nuson | 18 Ju こ Zo1 G (Date) |
| | | (Date) |
| State of Minnesota | | |
| County of Henrepin | ss | |
| Dofore | this 18 day of July | 0010 |
| | | 2016, personally appeared Thomas D. escribed in and who executed the above instrument, e of his own free will for the purposes therein set |
| processes. | ************ | \sim |
| | NANCY LOUISE GANZEL NOTARY PUBLIC - MINNESOTA | Mancy Louise Slavel Motary Public |

AFFIX SEAL

For: [X] U.S. and/or [X] Foreign Rights
For: [X] U.S. Application or [] U.S. Patent
By: [X] Inventor or [] Present Owner

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| tile le | ept of v | which is hereby acknowledged, and for other good and valuable consideration, |
|--------------------------|------------------------|---|
| ASSIC | NORS: | Benjamin Greenburg |
| PTO a | dd the fo | is by person or entity to whom invention was previously assigned and this was recorded in collowing) Recorded on: Reel Frame ssigns and transfers to |
| ASSIC | ANEE: | Covidien LP 15 Hampshire Street Mansfield, MA 02048 US |
| and th | e succe | ssors, assigns and legal representatives of the ASSIGNEE |
| [X] th | e entire | right, title and interest |
| | undivide ssions | ed percent (%) interest for the United States and its territorial |
| future | infringe | oreign countries, including all rights to claim priority, the right to sue for present, past and ment, in the United States, its territorial possessions, and in all foreign countries, including all vention rights in and to the invention and any and all improvements entitled: |
| - | METHOI | O OF MANUFACTURING AN ELONGATED CATHETER HAVING SENSOR AND AN EXTENDED WORKING CHANNEL (Title) |
| (a) (b) (c) (d) | [x] [x] [] [] | U.S. application Serial No. 15/228,321 filed on August 4,2016. U.S. provisional application No.62/222,449 filed on September 23, 2015. U.S. Patent No issued PCT application No filed on A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately. and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute |

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| Benjamin | Greenburg |
|----------|-----------|
| | |

(Name)

<u> 29-Jun - 20</u>16 (Date)

Witnessed by:

(Print Name)

Eyel klern
(Witness Signature)

(Date) 2016

For: [X] U.S. and/or [X] Foreign Rights
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By: [X] Inventor or [] Present Owner

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| | | |
|--------------------------|------------------------|---|
| ASSIG | NORS: | Brian T. Stolz |
| | | Brian 1. Stolz |
| | gnment i dd the fo | s by person or entity to whom invention was previously assigned and this was recorded in llowing) Recorded on: Reel Frame |
| hereby | sells, as | signs and transfers to |
| ASSIG | NEE: | O contributed D |
| | | Covidien LP 15 Hampshire Street Mansfield, MA 02048 US |
| and the | e succes | sors, assigns and legal representatives of the ASSIGNEE |
| [X] the | e entire r | ght, title and interest |
| [] an posses | | d percent (%) interest for the United States and its territorial |
| future | infringen | reign countries, including all rights to claim priority, the right to sue for present, past and lent, in the United States, its territorial possessions, and in all foreign countries, including a rention rights in and to the invention and any and all improvements entitled: |
| <u> </u> | METHOD | OF MANUFACTURING AN ELONGATED CATHETER HAVING SENSOR AND AN |
| | | EXTENDED WORKING CHANNEL (Title) |
| and w | nich is fo | und in |
| (a) (b) (c) (d) | [x] [x] [] [] | U.S. application Serial No. 15/228,321 filed on August 5, 2016. U.S. provisional application No.62/222,449 filed on September 23, 2015. U.S. Patent No. issued PCT application No. filed on filed on A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately. |
| (e) | [x] | and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, continuation-in-part, divisional, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof. |

Page 1 of 2

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IN WITNESS WHEREOF, I/We have hereunto set hand and seal.

County of Holor Ni

State of Minnesota

Before me this 15 day of 141/ 2016, personally appeared **Brian T. Stolz**, to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

AFFIX SEAL

NANCY LOUISE GANZEL
NOTARY PUBLIC - MINNESOTA
MY COMMISSION EXPIRES 01/31/2020

Page 2 of 2

RECORDED: 02/02/2026