

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5161108

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
AARON G. MATTMILLER	09/26/2018
DEAN C. BUCK	09/25/2018
GARY E. MACINDOE	09/08/2018
TOM E. MCMUNIGAL	09/18/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	COVIDIEN LP
<b>Street Address:</b>	15 HAMPSHIRE STREET
<b>City:</b>	MANSFIELD
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02048
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16143587
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)581-6632
<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>	
<b>Phone:</b>	303-530-2300
<b>Email:</b>	rs.patents.two@medtronic.com, elizabeth.e.burlingame@medtronic.com
<b>Correspondent Name:</b>	COVIDIEN LP
<b>Address Line 1:</b>	5920 LONGBOW DRIVE
<b>Address Line 2:</b>	ATTN: IP LEGAL
<b>Address Line 4:</b>	BOULDER, COLORADO 80301
<b>ATTORNEY DOCKET NUMBER:</b>	C00016773US01(203-11906)
<b>NAME OF SUBMITTER:</b>	STEPHEN B. PERKINS
<b>SIGNATURE:</b>	/Stephen B. PERKINS/Reg #45009
<b>DATE SIGNED:</b>	09/27/2018
<b>Total Attachments: 8</b>	
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source=FinalAssignment#page7.tif  
source=FinalAssignment#page8.tif

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or ☐ U.S. Patent  
By : ☒ 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:

**Aaron G. Mattmiller**  
**Dean C. Buck**  
**Gary E. Macindoe**  
**Tom E. McMunigal**

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on: \_\_\_\_\_  
Reel \_\_\_\_\_  
Frame \_\_\_\_\_

hereby sells, assigns and transfers to

ASSIGNEE:

Covidien LP  
15 Hampshire Street  
Mansfield, MA 02048  
US

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent (\_\_\_\_\_% ) interest for the United States and its territorial possessions

☒ and in all foreign countries, including all rights to claim priority, the right to sue for present, past and future infringement, in the United States, its territorial possessions, and in all foreign countries, including all treaty and convention rights in and to the invention and any and all improvements entitled:

**APPARATUS HAVING A ROGOWSKI COIL ASSEMBLY**

(Title)

and which is found in

- (a) ☒ U.S. application Serial No. 16/143,587 filed on September 27, 2018.
- (b) ☒ U.S. provisional application No. 62/565,744 filed on September 29, 2017.
- (c) ☐ U.S. Patent No. \_\_\_\_\_ issued \_\_\_\_\_.
- (d) ☐ PCT application No. \_\_\_\_\_ filed on \_\_\_\_\_.
- ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
- (e) ☒ 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.

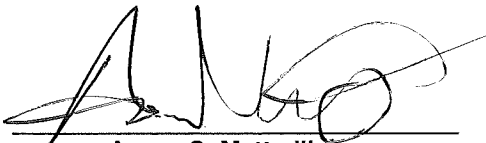
ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

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.

  
\_\_\_\_\_  
Aaron G. Mattmiller

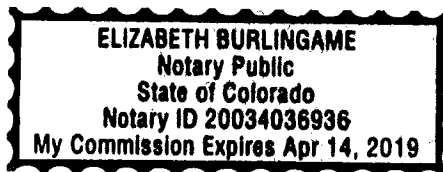
9/26/18  
\_\_\_\_\_  
(Date)

State of Colorado        )  
                                  ) ss  
County of Boulder        )

Before me this 26<sup>th</sup> day of September 2018, personally appeared **Aaron G. Mattmiller**, 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.

  
\_\_\_\_\_  
Notary Public

AFFIX SEAL



Dean C. Buck  
Dean C. Buck

Sept 25, 2018  
(Date)

State of Colorado     )  
                                  ) ss  
County of                )

Before me this \_\_\_\_ day of \_\_\_\_\_ 2018, personally appeared **Dean C. Buck**, 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.

Gant S. Buck     Hidalgo  
Notary Public  
WITNESS

AFFIX SEAL

\_\_\_\_\_  
Gary E. Macindoe

\_\_\_\_\_  
(Date)

State of Colorado     )  
                                  ) ss  
County of                )

Before me this \_\_\_\_ day of \_\_\_\_\_ 2018, personally appeared **Gary E. Macindoe**, 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.

\_\_\_\_\_  
Notary Public

AFFIX SEAL

Tom E. McMunigal  
Tom E. McMunigal

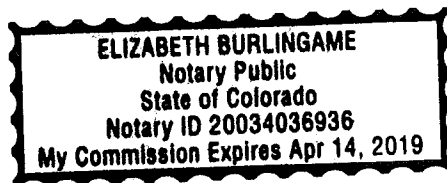
9/18/18  
(Date)

State of Colorado     )  
                                  ) ss  
County of                )

Before me this 18<sup>th</sup> day of September 2018, personally appeared **Tom E. McMunigal**, 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.

Elizabeth Burlingame  
Notary Public

AFFIX SEAL



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For: ☒ U.S. Application or ☐ U.S. Patent  
By : ☒ Inventor or ☐ Present Owner

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**Dean C. Buck**  
**Gary E. Macindoe**  
**Tom E. Mcmunigal**

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☒ the entire right, title and interest

☐ an undivided \_\_\_\_\_ percent ( \_\_\_\_\_ %) interest for the United States and its territorial possessions

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(d) ☐ PCT application No. \_\_\_\_\_ filed on \_\_\_\_\_  
      ☐ A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.  
(e) ☒ 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.

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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.

\_\_\_\_\_  
Aaron G. Mattmiller

\_\_\_\_\_  
(Date)

State of Colorado       )  
                                  ) ss  
County of Boulder       )

Before me this \_\_\_\_\_ day of \_\_\_\_\_ 2018, personally appeared **Aaron G. Mattmiller**, 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.

\_\_\_\_\_  
Notary Public

AFFIX SEAL

Dean C. Buck

(Date)

State of Colorado     )  
                                  ) ss  
County of                )

Before me this \_\_\_\_ day of \_\_\_\_\_ 2018, personally appeared **Dean C. Buck**, 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.

Notary Public

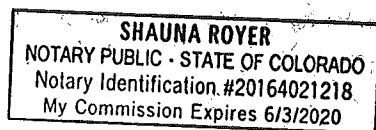
AFFIX SEAL

Gary E. Macindoe  
Gary E. Macindoe

9/8/2018  
(Date)

State of Colorado     )  
                                  ) ss  
County of Boulder )

Before me this 8<sup>th</sup> day of September 2018, personally appeared **Gary E. Macindoe**, 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.



Shauna Royer  
Notary Public

AFFIX SEAL

\_\_\_\_\_  
**Tom E. Mcmunigal**

\_\_\_\_\_  
(Date)

State of Colorado     )  
                              ) ss  
County of                )

Before me this \_\_\_\_ day of \_\_\_\_\_ 2018, personally appeared **Tom E. Mcmunigal**, 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.

\_\_\_\_\_  
Notary Public

AFFIX SEAL