504344899 05/01/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4391587

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM T. KELLY	08/12/2014
JASON T. ICEMAN	08/12/2014
JAY BREINDEL	08/12/2014
ERIK CARLSON	08/12/2014
THOMAS WENCHELL	08/13/2014
KAYLA CLOUTIER	08/12/2014
SHANE REARDON	09/04/2014

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:	15582818

CORRESPONDENCE DATA

Fax Number: (203)492-5785

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: 203-492-5000

Email: SurgicalUS@covidien.com,

medtronic_mitg-si_docketing@cardinal-ip.com

Correspondent Name: COVIDIEN LP

Address Line 1: **60 MIDDLETOWN AVENUE** Address Line 2: C/O LEGAL - MAILSTOP MS 54

Address Line 4: NORTH HAVEN, CONNECTICUT 06473

ATTORNEY DOCKET NUMBER:	355723.USV3(203-10253DIV)
NAME OF SUBMITTER:	KEVIN P. FERGUSON
SIGNATURE:	/Kevin P. FERGUSON, Reg. #51043/

PATENT REEL: 042188 FRAME: 0991 504344899

DATE SIGNED:	05/01/2017	
Total Attachments: 7		
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PATENT REEL: 042188 FRAME: 0992

Attorney Docket No. 355723 (203-10253)

PATENT

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)

	hich is hereby acknowledged, and for other good and valuable consideration,	
ASSIGNORS:	William T. Kelly Jason T. Iceman Jay Breindel Erik Carlson Thomas Wenchell Kayla Cloutier Shane Reardon	
(If assignment i PTO add the fo	s by person or entity to whom invention was previously assigned and this was recorde llowing)	ed ir
	Recorded on: Reel Frame	
hereby sells, as	signs and transfers to	
ASSIGNEE:	Covidien LP 15 Hampshire Street Mansfield, MA 02048 US	
and the succes	sors, assigns and legal representatives of the ASSIGNEE	
[X] the entire ri	ght, title and interest	

[] an undivided _____ percent (_____%) interest for the United States and its territorial possessions

[X] 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:

MESH DEPLOYMENT DEVICES AND KITS

and which is found in

- (a) U.S. application Serial No. 14/458,555 filed on August 13, 2014. U.S. provisional application No. 62/025,686 filed on July 17, 2014 (b)
- U.S. provisional application No. 62/025,674 filed on July 17, 2014 įχį
 - U.S. provisional application No. 62/025,663 filed on July 17, 2014 [X]
 - U.S. provisional application No. 61/882,914 filed on September 26, 2013 U.S. provisional application No. 61/882,907 filed on September 26, 2013
 - U.S. provisional application No. 61/882,883 filed on September 26, 2013.

Page 1 of 5

A change of address to which correspondence is to be sent regarding patent malhtenance 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 relessue 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 relasure of any Letters Patents to be granted therefore; and to make all rightful caths and do all lawful acts requisite for procuring the same or for adding 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. **BIGNOR'S RELECTION FROM FROM FROM FROM FROM FROM FROM FROM	(c) (d)	[]	U.S. Patent No issued PCT application No filed on	
(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. 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 ASSIGNES 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 relassue 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. Notary RUBNAH TEMPE Notary RU	(σ)	ij	A change of address to which correspondence is to be sent regarding patent	
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 daths 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. State of Connecticut Personally appeared William T. Kelly 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. AFIX SEAL	(e)	[X]	and any legal equivalent thereof in a foreign country, including the right to claim priority	
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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 filling 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. State of Connecticut State of Connecticut State of Connecticut Defore me this Aday of August Again Alexandrian Before me this Aday of August County of New Haven Before me this Aday of August Assignee's attorneys 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	will b			or
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. State of Connecticut State of Connecticut State of Connecticut State of Connecticut State of Connecticut to the purposes therein set forth. AFFIX SEAL AFFIX SEAL AFFIX SEAL AFFIX SEAL AFFIX SEAL AFFIX SEAL ASSIGNORS in the presentatives and invention or any Letters Patents to the grant and local deliver any and all patents and and seal. ASSIGNORS hereby grant ASSIGNEE, its successors, assigns or other legal representatives; to execute the same of his own free will for the purposes therein set forth. AFFIX SEAL	all su			sue
State of Connecticut County of New Haven Before me this Aday of Aday of Aday of Aday of 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 Notary RIDMAH TEMPE Notary Platic State of Connecticut Notary RIDMAH TEMPE Notary Platic State of Connecticut Notary RIDMAH TEMPE Notary Platic State of Connecticut My Commission Expires February 28, 2019	as to all pa which to exe there and d	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,		
State of Connecticut County of New Haven Before me this Aday of August 2014, personally appeared William T. Kelly 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 AFFIX SEAL ASSOCIATED AND TEMPE NOTARY PUBLIC State of Connecticut My Commission Expires	and/c			
State of Connecticut) ss/octn Haven County of New Haven Before me this day of fuguet 2014, personally appeared William T. Kelly 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 AFFIX SEAL State of Connecticut My Commission Expires February 28, 2019	IN W	TNESS	VHEREOF, I/We have hereunto set hand and seal.	
State of Connecticut) ss/octn Haven County of New Haven Before me this day of fuguet 2014, personally appeared William T. Kelly 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 AFFIX SEAL State of Connecticut My Commission Expires February 28, 2019				
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County of New Haven Before me this day of August 2014, personally appeared William T. Kelly 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 Rubinah Tempe Notary Public State of Connecticut My Commission Expires February 28, 2019		Willia	n T. Helly (Dated)	
County of New Haven Before me this day of August 2014, personally appeared William T. Kelly 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 Rubinah Tempe Notary Public State of Connecticut My Commission Expires February 28, 2019				
Before me this day of August 2014, personally appeared William T. Kelly 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 ALPANAH TEMPE NOTARY PUBLIC State of Connecticut My Commission Expires February 28, 2019	State	of Conn	cticut)	
Before me this day of August 2014, personally appeared William T. Kelly 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 ALPANAH TEMPE Notary Public State of Connecticut My Commission Expires February 28, 2019	Coun	ty of Nev) ss//octn that the Haven)	
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 ALPANAH TEMPE NOTARY PUBLIC State of Connecticut My Commission Expires February 28, 2019		•		
AFFIX SEAL State of Connecticut My Commission Expires February 28, 2019	execu	ited the a	eared <u>William T. Kelly</u> to me personally known to be the person described in and who bove instrument, and acknowledged to me that he/she executed the same of his own free	
AFFIX SEAL State of Connecticut My Commission Expires February 28, 2019			Marit V. Centle	
AFFIX SEAL State of Connecticut My Commission Expires February 28, 2019			Notary RUDANAH TEMPE	
February 28, 2019	, FF:	/ OE *!	State of Connections	
	AFFIX	SEAL	Page 2 of 5	

Page 2 of 5

	12 Awa Zoly (Dated)
dason T. Iceman	(Dated)
State of Connecticut)) ss	
County of New Haven)	ı
Before me this 12th day of 14ug	1ST 2014,
personally appeared <u>Jason T. Iceman</u> to me personally executed the above instrument, and acknowledged to m will for the purposes therein set forth.	known to be the person described in and who e that he/she executed the same of his own free
	Mille Meller Notary Public
AFFIX SEAL	Michelle M McKlernan Notary Public-Connecticut My Commission Expires January 31, 2016
Jay Breindel	(Dated)
State of Connecticut)	
) ss County of New Haven)	
Before me this day of	2014,
personally appeared <u>Jay Breindel</u> to me personally known executed the above instrument, and acknowledged to me will for the purposes therein set forth.	wn to be the person described in and who e that he/she executed the same of his own free
	Notary Public
	Notally I ubilit
AFFIX SEAL	

Page 3 of 5

Jason T. Iceman	(Dated)
State of Connecticut)) ss County of New Haven)	
Before me this day of	2014,
	onally known to be the person described in and who it to me that he/she executed the same of his own free
	Notary Public
AFFIX SEAL	
Jay Breindel	(Dated)
State of Connecticut)) ss NORM HUVE County of New Haven) Before me this 12 day of 1416	JUSt 2014,
personally appeared <u>Jay Breindel</u> to me personall	
AFFIX SEAL	Notary Public State of Connecticut My Commission Expires February 28, 2019

Page 3 of 5

Erik Carlson 8/12/14 (Dated)
State of Connecticut) ss North Haven County of New Haven) Before me this 12 day of August 2014,
personally appeared Erik Carlson 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 Notary Public
State of Connecticut My Commission Expires February 28, 2019 Thomas Wenchell (Dated)
State of Connecticut) ss NORM Hawar County of New Haven) Before me this 13 day of August 2014,
personally appeared <u>Thomas Wenchell</u> 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. William Compare 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

Id whn Matur Kayla Cloutier	8/12/14 (Dated)
State of Connecticut) ss Morem Huven County of New Haven Before me this 2 day of August personally appeared Kayla Cloutier to me personally executed the above instrument, and acknowledged to will for the purposes therein set forth.	known to be the person described in and who
AFFIX SEAL	Notary Public ALLANAH TEMPE Notary Public State of Connecticut My Commission Expires February 28, 2019
Shane Reardon	(Dated)
State of Connecticut)) ss County of New Haven)	
Before me this day of personally appeared <u>Shane Reardon</u> to me personally executed the above instrument, and acknowledged to will for the purposes therein set forth.	y known to be the person described in and who
	Notary Public
AFFIX SEAL	

Page 5 of 5

PATENT REEL: 042188 FRAME: 0998

	•	
Kayla Cloutier	(Dated)	
	•	
State of Connecticut)) ss		
County of New Haven)		
Before me this day of		
personally appeared <u>Kayla Cloutier</u> to me pers executed the above instrument, and acknowleds will for the purposes therein set forth.	nally known to be the person describe ed to me that he/she executed the sai	ed in and who me of his own free
	Notary Public	<u></u>
AFFIX SEAL		
•		
Shane Reardon	$\frac{9/4/201}{\text{(Dated)}}$	4
State of Connecticut)		
County of New Haven) ss		
Before me this 4th day of	plember 2014,	
personally appeared <u>Shane Reardon</u> to me per executed the above instrument, and acknowledg will for the purposes therein set forth.	onally known to be the person described to me that he/she executed the sar	ped in and who ne of his own free
	Mull M. Notary Public	Molenn
AFFIX SEAL	Michelle M Mcl Notary Public-Co	(iernan nnecticut
F	My Commission January 31,	Expires

PATENT REEL: 042188 FRAME: 0999

RECORDED: 05/01/2017