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| PATENT ASSIGNMENT COVER SHEET |
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Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5417220

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|---|---|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| JOSEPH D. BRANNAN | 10/22/2018 |
| 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: | 16159111 |
| CORRESPONDENCE DATA | |
| Fax Number: | (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> | |
| Phone: | 303-530-2300 |
| Email: | rs.patents.two@medtronic.com, nrispone@cdfslaw.com, docket@cdfslaw.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: | C00016192.US01 (1988-385) |
| NAME OF SUBMITTER: | THOMAS E. KEELY |
| SIGNATURE: | /THOMAS E. KEELY/ |
| DATE SIGNED: | 03/12/2019 |
| Total Attachments: 3 | |
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| source=01403152#page2.tif | |
| source=01403152#page3.tif | |

For: U.S. and/or Foreign Rights
For: U.S. Application or U.S. Patent
By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

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

Joseph D. Brannan

hereby sells, assigns and transfers to

ASSIGNEE:

Covidien LP
(Type or print name of ASSIGNEE)

15 HAMPSHIRE STREET
Address

MANSFIELD, MA 02048

USA
Nationality

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

in and to any and all improvements which are disclosed in the invention entitled:

SYSTEMS AND METHODS FOR GENERATING ENERGY DELIVERY HEAT MAPS

and which is found in

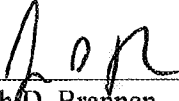
- (a) U.S. patent application executed on even date herewith.
- (b) U.S. patent application executed on _____.
- (c) U.S. application Serial No. 16/159111 filed on October 12, 2018.
- (d) U.S. provisional application No. 60/ _____
filed on _____.
- (e) U.S. Patent No. _____ issued _____.
- (f) PCT application No. PCT/ _____ filed on _____.
- A change of address to which correspondence is to be sent regarding
patent maintenance fees is being sent separately.
- (g) 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

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

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 22nd day of October, 2018.

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.



Joseph D. Brannan

Oct 22nd 2018

Dated

If ASSIGNOR is a legal entity complete the following information

Type or print the name of the above person
authorized to sign on behalf of ASSIGNOR

Title: _____

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized then it will only be prima facie evidence of execution 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.

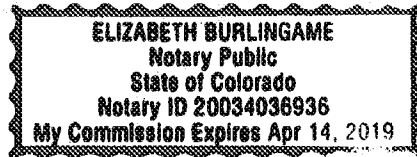
STATE OF COLORADO §

§ ss.

COUNTY OF BOULDER §

BEFORE ME, the undersigned authority, on this 22nd day of October 2018, personally appeared Joseph D. Brannan, known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]



Elizabeth Burlingame
Notary Public