

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Joseph D. Brannan</td> <td>04/12/2013</td> </tr> <tr> <td>Casey M. Ladtkow</td> <td>04/11/2013</td> </tr> <tr> <td>Darion R. Peterson</td> <td>04/12/2013</td> </tr> <tr> <td>Eric W. Larson</td> <td>04/12/2013</td> </tr> <tr> <td>William J. Dickhans</td> <td>04/10/2013</td> </tr> <tr> <td>Richard A. Willyard</td> <td>04/29/2013</td> </tr> <tr> <td>Jason A. Case</td> <td>04/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	Joseph D. Brannan	04/12/2013	Casey M. Ladtkow	04/11/2013	Darion R. Peterson	04/12/2013	Eric W. Larson	04/12/2013	William J. Dickhans	04/10/2013	Richard A. Willyard	04/29/2013	Jason A. Case	04/29/2013
Name	Execution Date																
Joseph D. Brannan	04/12/2013																
Casey M. Ladtkow	04/11/2013																
Darion R. Peterson	04/12/2013																
Eric W. Larson	04/12/2013																
William J. Dickhans	04/10/2013																
Richard A. Willyard	04/29/2013																
Jason A. Case	04/29/2013																
RECEIVING PARTY DATA																	
<table border="1"> <tr> <td>Name:</td> <td>Covidien LP</td> </tr> <tr> <td>Street Address:</td> <td>15 Hampshire Street</td> </tr> <tr> <td>City:</td> <td>Mansfield</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02048</td> </tr> </table>		Name:	Covidien LP	Street Address:	15 Hampshire Street	City:	Mansfield	State/Country:	MASSACHUSETTS	Postal Code:	02048						
Name:	Covidien LP																
Street Address:	15 Hampshire Street																
City:	Mansfield																
State/Country:	MASSACHUSETTS																
Postal Code:	02048																
PROPERTY NUMBERS Total: 1																	
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13838238</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13838238												
Property Type	Number																
Application Number:	13838238																
CORRESPONDENCE DATA																	
Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 303 530 6138 Email: ebd.iplegal@covidien.com, docket@cdfslaw.com Correspondent Name: Covidien LP Address Line 1: 5920 Longbow Drive Address Line 2: Mail Stop A36 Address Line 4: Boulder, COLORADO 80301-3299																	
ATTORNEY DOCKET NUMBER:	H-IL-00077C (1988-77C)																

CH \$40.00 13838238

NAME OF SUBMITTER:	Nathan Weber
Signature:	/nathan weber/
Date:	05/10/2013
Total Attachments: 5 source=00434792#page1.tif source=00434792#page2.tif source=00434792#page3.tif source=00434792#page4.tif source=00434792#page5.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:

**Joseph D. Brannan
Casey M. Ladtkow
Darion R. Peterson
Eric W. Larson
William J. Dickhans
Richard A. Willyard
Jason A. Case**

(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:

MICROWAVE ENERGY-DELIVERY DEVICE AND SYSTEM

(Title)

and which is found in

- (a) ☒ U.S. application Serial No. 13/838,238 filed on March 15, 2013.
- (b) ☐ U.S. provisional application No. _____ filed on _____.
- (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.

Joseph D. Brannan
Joseph D. Brannan

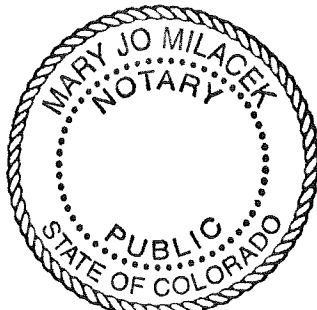
4-12-2013
(Date)

State of Colorado)
) ss
County of Boulder)

Before me this 12 day of April 2013, personally appeared **Joseph D. Brannan** 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.

Mary Jo Milacek
Notary Public

AFFIX SEAL



My Commission Expires 02/28/2015

Casey M. Ladtkow
Casey M. Ladtkow

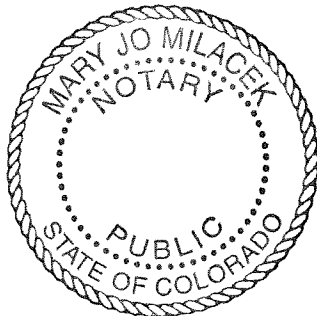
4/11/13
(Date)

State of Colorado)
) ss
County of Boulder)

Before me this 11 day of April 2013, personally appeared **Casey M. Ladtkow** 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.

Mary Jo Milacek
Notary Public

AFFIX SEAL



My Commission Expires 02/28/2015

Darion R. Peterson
Darion R. Peterson

4-12-2013
(Date)

State of Colorado)
) ss
County of Boulder)

Before me this 12 day of April 2013, personally appeared **Darion R. Peterson** 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.

Mary Jo Milacek
Notary Public

AFFIX SEAL



My Commission Expires 02/28/2015

Eric W. Larson
Eric W. Larson

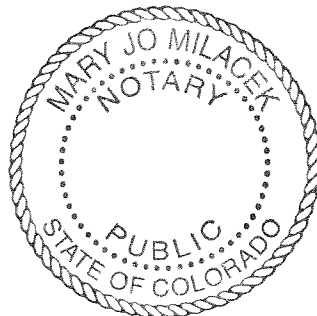
04/12/13
(Date)

State of Colorado)
) ss
County of Boulder)

Before me this 12 day of April 2013, personally appeared **Eric W. Larson** 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.

Mary Jo Milacek
Notary Public

AFFIX SEAL



My Commission Expires 02/28/2015

William J. Dickhans
William J. Dickhans

4/10/13
(Date)

State of Colorado)
) ss
County of Boulder)

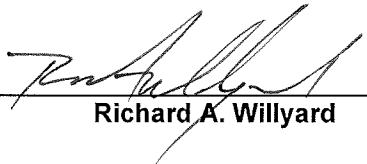
Before me this 10 day of April 2013, personally appeared **William J. Dickhans** to me personally known to be the person described in and who executed the above instrument, and acknowledged to me that he/she executed the same of his own free will for the purposes therein set forth.

Mary Jo Milacek
Notary Public

AFFIX SEAL



My Commission Expires 02/28/2015


Richard A. Willyard

4-29-13
(Date)

State of Colorado)
) ss
County of Boulder)

Before me this 29 day of April 2013, personally appeared **Richard A. Willyard** 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



My Commission Expires 02/28/2015


Jason A. Case

4-29-13
(Date)

State of Colorado)
) ss
County of Boulder)

Before me this 29 day of April 2013, personally appeared **Jason A. Case** 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



My Commission Expires 02/28/2015