506079048 05/28/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

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

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:	16885411

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	H-IL-00077US01CON
NAME OF SUBMITTER:	JOSHUA ZARABI
SIGNATURE:	/Joshua Zarabi/

PATENT 506079048 REEL: 052771 FRAME: 0667

DATE SIGNED:	05/28/2020	
Total Attachments: 5		
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source=H-IL-00077US01CON - Assignment (01622017)#page10.tif		

PATENT REEL: 052771 FRAME: 0668

Attorney Docket No. H-IL-00077 (1988-77)

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), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS:

(e)

[x]

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
[X] the entire right, 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 al 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) [X] U.S. application Serial No. 13/834,581 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.

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and, in and to, all Letters Patent to be obtained for said invention by the above

and any legal equivalent thereof in a foreign country, including the right to claim priority

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.

Moseph D. Bran	nnan	4-12-20 (Date)	013
State of Colorado County of Boulder)) ss)		
<u>Brannan</u> to me personal	ly known to be the person/d	2013, personally described in and who execute same of his own free will for	ed the above instrument
E.	JO MILACIA OTARIO	<u>Mary</u> Notary	To Melacek

AFFIX SEAL



My Commission Expires 02/28/2015

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		(
Casey M.	Ladtkow	4/11/13 (Date)
State of Colorado County of Boulder)) ss)	
Ladtkow to me per	fore me this _/_ day ofsonally known to be the person described in to me that he/she executed the same of his o	2013, personally appeared <u>Casey M.</u> and who executed the above instrument, own free will for the purposes therein set
AFFIX SEAL	My Commission Expires 02/28/2015	Mary Public
Darion R.	Peterson	4-12-2013 (Date)
State of Colorado County of Boulder)) ss)	
Peterson to me per	fore me this _/2 day of	2013, personally appeared <u>Darion R.</u> and who executed the above instrument, own free will for the purposes therein set
AFFIX SEAL	JO MILACIA STARI CELO OF COLOR	May Ja Milach Notary/Public

My Commission Expires 02/28/2015

Eric W. Larson	04/12/13 (Date)
State of Colorado)) ss County of Boulder)	
Before me this 12 day of 2 to me personally known to be the person described in and who acknowledged to me that he/she executed the same of his own	
AFFIX SEAL My Commission Expires 02/28/2015	Mary Mulacek Notary Public
William J. Dickhans	
State of Colorado)) ss County of Boulder)	
Before me this 10 day of Dickhans to me personally known to be the person described and acknowledged to me that he/she executed the same of his forth.	_ 2013, personally appeared <u>William J.</u> in and who executed the above instrument, own free will for the purposes therein set
AFFIX SEAL My Commission Expires 02/28/2015	May Muleuk Noter Public

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Richard A. Willyard	<u>4 - 29 - 13</u> (Date)
State of Colorado) ss	
County of Boulder)	
Before me this <u>29</u> day of <u>Quarther</u> to me personally known to be the person described in and acknowledged to me that he/she executed the same of his forth.	own free will for the purposes therein set
AFFIX SEAL OF COLORS	Mary paolic
My Commission Expires 02/28/2015 Jason A. Case	<u>4-24-73</u> (Date)
State of Colorado)	
) ss County of Boulder)	
Before me this 29 day of 2001 to me personally known to be the person described in and who acknowledged to me that he/she executed the same of his own	2013, personally appeared <u>Jason A. Case</u> executed the above instrument, and free will for the purposes therein set forth.
AFFIX SEAL AFFIX SEAL AFFIX SEAL AFFIX SEAL AFFIX SEAL AFFIX SEAL	Mary Public
My Commission Expires 02/28/2015	

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RECORDED: 06/28/2026