

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5640679

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| WILLIAM J. DICKHANS | 07/17/2019 |
| RECEIVING PARTY DATA | |
| Name: | COVIDIEN LP |
| Street Address: | 15 HAMPSHIRE STREET |
| City: | MANSFIELD |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02048 |
| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Application Number: | 15989006 |
| Application Number: | 62515224 |
| CORRESPONDENCE DATA | |
| Fax Number: | (631)501-3526 |
| <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> | |
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| ATTORNEY DOCKET NUMBER: | 1988-364 (C00016533CN01) |
| NAME OF SUBMITTER: | BRADLEY SHELOWITZ |
| SIGNATURE: | /Bradley Shelowitz/ |
| DATE SIGNED: | 07/29/2019 |
| Total Attachments: 2 | |
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| source=01467006#page2.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:
William J. Dickhans

(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:

Cooling Systems for Energy Delivery Devices

and which is found in

- (a) U.S. application Serial No. 15/989,006 filed on May 24, 2018.
- (b) U.S. provisional application No. 62/515,224 filed on June 5, 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.

(Signature): William J. Dickhans

Date: 07/17/19

Name: William J. Dickhans

STATE OF COLORADO §
 COUNTY OF BOULDER § § ss.

BEFORE ME, the undersigned authority, on this 17th day of July, 2019, personally appeared William J. Dickhans known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

ELIZABETH BURLINGAME
 NOTARY PUBLIC - STATE OF COLORADO
 NOTARY ID 20034036936
 MY COMMISSION EXPIRES APR 16, 2023

[SEAL] Elizabeth Burlingame
 Notary Public