505219506 12/04/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5266274

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
B. BRAUN MELSUNGEN AG	11/23/2018

RECEIVING PARTY DATA

Name:	B. BRAUN MEDICAL INC.
Street Address:	824 TWELFTH AVENUE
City:	BETHLEHEM
State/Country:	PENNSYLVANIA
Postal Code:	18018
Name:	B. BRAUN MELSUNGEN AG
Name: Street Address:	B. BRAUN MELSUNGEN AG CARL-BRAUN-STRASSE 1
Street Address:	CARL-BRAUN-STRASSE 1

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15757915

CORRESPONDENCE DATA

Fax Number: (949)955-1921

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: 949-955-1920

Email: cindychen@koslaw.com

Correspondent Name: KLEIN, O'NEILL & SINGH, LLP Address Line 1: 16755 VON KARMAN AVENUE

Address Line 2: SUITE 275

Address Line 4: IRVINE, CALIFORNIA 92606

ATTORNEY DOCKET NUMBER:	1135-085.101
NAME OF SUBMITTER:	TOM H. DAO
SIGNATURE:	/Tom H. Dao/
DATE SIGNED:	12/04/2018

PATENT 505219506 REEL: 047672 FRAME: 0733

Total Attachments: 4

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PATENT REEL: 047672 FRAME: 0734

ASSIGNMENT

WHEREAS, B. BRAUN MELSUNGEN AG, a corporation organized and existing under and by the virtue of the laws of Germany, (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNOR" and "CO-ASSIGNEES") is the assignee of record, through transfer of interests from co-inventors Bruce Brunetti, Scott Moyer, Frank Starner, Tom Sutton, Steve Weber, Cheryl Wozniak, Matthew Bellenoit, Helmut Freigang, and Kevin Woehr, of the following patents and/or applications, which are national phase patents and/or applications of PCT Application No. PCT/EP2016/071345, which claimed priority to U.S. Provisional application Nos. 62/216,273, filed September 9, 2015, and 62/357,632, filed July 1, 2016:

- 1) U.S. Application No. 15/757,915, filed March 6, 2018;
- 2) CAN Application No. 2,997,469, filed September 9, 2016;
- 3) EP Application No. 16763266.0, filed September 9, 2016; and
- 4) JPN Application No. 2018-512582, entry date March 8, 2018.

AND WHEREAS, B. BRAUN MEDICAL INC., a Pennsylvania corporation, having a place of business at 824 Twelfth Avenue, Bethlehem, PA 18018 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE" and "CO-ASSIGNEES") wants to acquire or have acquired 50% of ASSIGNOR's right, title and interest to the aforesaid patent applications and/or patents, including said PCT application, and in the invention thereof and in and to any and all Letters Patents directly or indirectly granted therefrom, including regular applications claiming priority thereto, in the United States of America and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged. ASSIGNOR has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE 50% of ASSIGNOR's right, title and interest and to hold right, title and interest as CO-ASSIGNEES with ASSIGNOR from the Bruce Brunetti, Scott Moyer, Frank Starner, Tom Sutton, Steve Weber, Cheryl Wozniak, Matthew Bellenoit, Helmut Freigang, and Kevin Woehr assignment in and to said improvements and said patents and applications and all Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, including the right to sue or otherwise bring action and to collect and receive damages therefrom, for past infringement thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, including in the United States, Canada, Japan, members of the EPO, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and ASSIGNOR hereby authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to CO-ASSIGNEES in accordance with the terms of this Assignment;

AND ASSIGNOR HEREBY covenants that ASSIGNOR has full right to convey the interest herein assigned, and that ASSIGNOR has not executed, and will not execute, any agreement in conflict herewith;

AND ASSIGNOR HEREBY further covenants and agrees that ASSIGNOR will communicate to ASSIGNEE any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, and generally do everything possible to aid ASSIGNEE to obtain and enforce all legal rights available for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 23th day of November, 2018.

	B. BRAUN MELSUNGEN AG	
C Wirtz Signature of Witness	By: i. V. Signature of Assignor	
Christina Wirtz	Solvej Fritsche	
	European Patent Attorney	
Signature of Witness	By: i. V. Signature of Assignor	
Regina Müller	Dr. Sandra Hewald-Dohrmann	
	German Patent Attorney	

IN TESTIMONY WHEREOF, I hereunto set 1 20 18.	ny hand this
Signature of Witness Murat Ozgu Printed Name of Witness	B. BRAUN MEDICAL INC. By: Signature of Assignee Printed or Typed Name
	SUP ANGEKE GING
Signature of Winner	By: <u>Cathy Cutea</u> Signature of Assignee
Printed Name of Witness	<u>Cathy Codrea</u> Printed or Typed Name
	SUP, beneral Counsel