504361625 05/11/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JARIN A. KRATZBERG	05/01/2017
WOONG KIM	05/02/2017

RECEIVING PARTY DATA

Name:	COOK RESEARCH INCORPORATED (F/K/A MEDICAL ENGINEERING AND DEVELOPMENT INSTITUTE, INC)
Street Address:	1 GEDDES WAY
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State/Country:	INDIANA
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15591868

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NAME OF SUBMITTER:	JACOB C. BACHMAN
SIGNATURE:	/Jacob C. Bachman/
DATE SIGNED:	05/11/2017

Total Attachments: 3

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PATENT 504361625 REEL: 042334 FRAME: 0283

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ASSIGNMENT AND AGREEMENT

WHEREAS, I/We, Jarin A. Kratzberg, residing at 1827 Kyverdale Drive, Lafayette, IN 47909 and Woong Kim, residing at 1801 Ellison Drive, West Lafayette, IN 47906 (the "Inventor(s)"), have invented a certain invention or inventions related to "SIDE BRANCH AORTIC REPAIR GRAFT WITH WIRE LUMEN" and being described in U.S. Nonprovisional Application No. 15/591,868, filed on May 10,2017; PCT Application No. _______, filed on ______; and any and all applications claiming the benefit thereof including the right of priority, (the "Invention" or "Inventions"). (I/We hereby consent to the patent attorney entering the serial numbers and filing dates when they become known.)

WHEREAS, the Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in Cook Research Incorporated (f/k/a Medical Engineering and Development Institute, Inc.), a corporation of the State of Indiana, having an office at 1 Geddes Way, West Lafayette, IN 47906, U.S.A. ("Assignee"), by virtue of employment or otherwise.

WHEREAS, to the extent that any of my/our right, title, or interest in the Invention or Inventions has not been transferred or assigned to Assignee by virtue of employment or otherwise, Inventor(s) desires to assign to Assignee all of my/our right, title, and interest in, to, or under the Invention or Inventions, and Assignee desires to accept such an assignment.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

Inventor(s) hereby sells, assigns and transfers and does hereby confirm any previous contribution, assignment, and transfer, unto Assignee and its successors, assigns, and legal representatives all of my/our right, title and interest in the Invention or Inventions or Inventions, all of my/our right, title, and interest in the Invention or Inventions being in the United States of America and all other countries and states of the world, and all the rights and privileges in said application and under any and all Letters Patent or any continuation, division, renewal, or substitute thereof, and any reissue or re-examination thereof that may be granted in the United States and in any country or state of the world for the Invention or Inventions (including, without limitation, all proceeds thereof and the rights to sue for past, present and future infringements). I/We sell, assign, and transfer all of my/our right, title and interest in the Invention or Inventions as of the day of signature or of filing of the first filed patent application for the Invention or Inventions, whichever is the earlier.

The Inventor(s) authorizes Assignee to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for the Invention or Inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

The Inventor(s) hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document that may be required in

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any country in proof of the right of Assignee to apply for patent or other form of protection for the Invention or Inventions and to claim the aforesaid benefit of the right of priority.

The Inventor(s) requests that any and all patents for the Invention or Inventions be issued to Assignee in the United States and in all countries foreign to the United States or to such nominees as Assignee may designate.

The Inventor(s) agrees that, when requested, I/we shall, without charge to Assignee, but at their expense, sign all papers, take all rightful oaths, and do all acts that may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection for the Invention or Inventions.

Dated: O(May 2017) Jarin A. Kratzberg
Dated: 2 May 2017 Woong Kim
State of Indiana) ss: County of \int \int (\int \int)
On this Olday of
My Commission Expires: MAY 10, 2023
State of Indiana) ss: County of TRECANDL)
On this <u>Q</u> day of <u>YQQ</u> , 2017, before me personally came <u>Woong Kim</u> , to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.
Noticy Draws Residing in Tipp (2001)
My Commission Expires: May 10, 2023

Signed for and on behalf of COOK RESEARCH INCORPORATED, This 12 day of 19 ay 19 Jennifer L. Kerr, President

State of Indiana

State of In