PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4999690

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SIDDHARTH U. VAD	07/02/2012
MARK A. MAGNUSON	07/12/2012
MARK R. FRYE	07/02/2012
SEAN D. CHAMBERS	06/29/2012

RECEIVING PARTY DATA

Name:	COOK INCORPORATED
Street Address:	750 N. DANIELS WAY
City:	BLOOMINGTON
State/Country:	INDIANA
Postal Code:	47404

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14852199

CORRESPONDENCE DATA

Fax Number: (312)321-4299

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: 3123214200

Email: usassignments@brinksgilson.com, pnelles@brinksgilson.com

Correspondent Name: JANET A. PIOLI

BRINKS GILSON & LIONE Address Line 1:

Address Line 2: P.O. BOX 10395

Address Line 4: CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	12730-1304
NAME OF SUBMITTER:	JANET A. PIOLI
SIGNATURE:	/Janet A. Pioli/
DATE SIGNED:	06/11/2018

Total Attachments: 9 source=Asst1#page1.tif source=Asst1#page2.tif

> **PATENT** REEL: 046040 FRAME: 0166 504952943

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PATENT REEL: 046040 FRAME: 0167

ASSIGNMENT AND AGREEMENT

WHEREAS, the Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in **Cook Incorporated**, a corporation of the State of Indiana having an office at 750 N. Daniels Way, Bloomington, IN 47404, U.S.A. ("<u>Assignee</u>"), 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, 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.

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PATENT REEL: 028564 FRAME: 0311 PATENT

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 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:	and my
	Siddharth U. Vad
State of Pennsylvania) County of Monroe)	
	, 2012, before me personally came ne individual described in and who executed edged execution of the same.
My Commission Expires: Tuly 02,	Notary Public 2017
Dated:	Mark A. Magnuson
State of Pennsylvania)) ss:	
On this day of Mark A. Magnuson, to me known to be the foregoing instrument, and acknowled	, 2012, before me personally came the individual described in and who executed edged execution of the same.
My Commission Expires:	Notary Public

2

PATENT REEL: 028564 FRAME: 0312 PATENT

Signed for and on behalf of COOK INCORPORATED This 3 day of, 2012 Thomas A. Osborne, Sr. Vice President IP Growth and Development
State of Indiana)) ss:
County of Monroe)
On this 3 day of, 2012, before me personally came <u>Thomas A. Osborne</u> , to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.
Christing Harryhou
My Commission Expires: July 102 2017 Notary Public

ASSIGNMENT AND AGREEMENT

WHEREAS, the Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in **Cook Incorporated**, a corporation of the State of Indiana having an office at 750 N. Daniels Way, Bloomington, IN 47404, 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, 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.

PATENT

REEL: 028564 FRAME: 0311

PATENT PA-7176

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 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:	
	Siddharth U. Vad
State of Pennsylvania)) ss;	
County of	
On this day of <u>Siddharth U. Vad,</u> to me known to be the the foregoing instrument, and acknowled	, 2012, before me personally came individual described in and who executed ged execution of the same.
_	Notary Public
My Commission Expires:	<u> </u>
Dated: July 12, 2012	Mark A. Magnuson
TND/ANA State of Pennsylvania)	,
County of Monse) ss:	
On this 12 day of July	/ \ //
	Diane Semgnott Notary Public
My Commission Expires:	DIANE SEMPSROTT NOTARY PUBLIC STATE OF INDIANA MY COMM. EXPIRES 9-18-2017

PATENT

REEL: 028564 FRAME: 0313 PATENT

Signed for and on behalf of COOK INCORPORATED This 3 day of July , 2012 Thomas A. Osborne, Sr. Vice President IP Growth and Development
State of Indiana)) ss:
County of Monroe)
On this 3 day of 70, 2012, before me personally came Thomas A. Osborne, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.
My Commission Expires: Jay 102 2017
NOVI CONTROCCION PROBLES VI M. INJ. LANII

ASSIGNMENT AND AGREEMENT

WHEREAS, I/We, Siddharth U. Vad, residing at 505 S. Muller Parkway, Apt. 518, Bloomington, IN 47403, Mark A. Magnuson, residing at 2521 Sandberg Ct., Bloomington, IN 47408, Mark R. Frye, residing at 3735 N. Upper Birdie Galyan Rd., Bloomington, IN 47408, and Sean D. Chambers, residing at 3782 S. Claybridge Drive, Bloomington, IN 47401 (the "Inventor(s)"), have invented a certain invention or inventions related to "METHOD FOR ELECTROSPINNING A GRAFT LAYER" and being described in U.S. Provisional Application No. 61/508,421, filed on July 1, 2011; U.S. Nonprovisional Application No. 13/548,956 , filed on July 13, 2012 ; PCT Application No. ______, filed on _______, filed on _

WHEREAS, the Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in **Cook Incorporated**, a corporation of the State of Indiana having an office at 750 N. Daniels Way, Bloomington, IN 47404, 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, 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.

DATI

REEL: 028564 FRAME: 0311

Dated: 07/02/2012 Mark R. Frye
Indiana 1-2-2012— State of Pennsylvania—
State of Pennsylvania)
County of Monroe) ss:
On this day of, 2012, before me personally came Mark R. Frye, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.
My Commission Expires: July 02,2017 Notary Public
Dated: Oc/25/2012 Sean D. Chambers
The Ct 07-02-2012 State of Pennsylvania) Ss: County of Monroe)
On this 29 day of June, 2012, before me personally came Sean D. Chambers, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.
My Commission Expires: July 02,2017 Onnitrio Humanoy Notary Public

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PATENT

REEL: 028564 FRAME: 0314 PATENT

Signed for and on behalf of COOK INCORPORATED This 3 day of, 2012 Thomas A. Osborne, Sr. Vice President IP Growth and Development
State of Indiana)) ss:
County of Monroe)
On this 3 day of 70, 2012, before me personally came Thomas A. Osborne, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.
Christing Harryhou
My Commission Expires: July 102 2017 Notary Public

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PATENT REEL: 028564 FRAME: 0315 PATENT

REEL: 046040 FRAME: 0176

RECORDED: 06/11/2018

RECORDED: 07/17/2012