PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY DATA						
Name Execution Date						
Ram H. Paul Jr.				02/25/2013		
RECEIVING PARTY DATA						
Name:	Cook, Incorpo	orated				
Street Address:		750 N. Daniels Way				
City:	Bloomington					
State/Country:	INDIANA					
Postal Code:	47404	47404				
PROPERTY NUMBERS Total: 1						
Property Ty	/pe		Number			
Application Number: 13761		13761	391			
Application Number: 13761391 CORRESPONDENCE DATA 2000000000000000000000000000000000000						
Fax Number: 3123214299 Correspondence will be sent via US Mail when the fax attempt is unsuccessful. Phone: 312-321-4200 Email: rstanley@brinkshofer.com,cwiechers@brinkshofer.com,usassignments@brinkshofer.com Correspondent Rlchard E. Stanley, Jr. Name: 455 N. Cityfront Plaza Dr - NBC Tower 1: Address Line 2: Suite 3600 2: Chicago, ILLINOIS 60611-5599						
ATTORNEY DOCKET NUMBER:			10703/321			
NAME OF SUBMITTER:			Richard E. Stanley, Jr.			
Signature: /Richard			/Richard E. Stanley, Jr./	PATENT		

Date:	04/09/2013			
Total Attachments: 19				
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ASSIGNMENT AND AGREEMENT

WHEREAS I/We, <u>Ram H. Paul, Jr.</u>, residing at <u>1251 West Church</u> Lane, Bloomington, <u>IN 47403</u>, (the "Cook Inventor(s)");

WHEREAS I/We, <u>Richard A. Swift</u>, residing at <u>52428 Tally Ho Drive</u>, <u>South Bend, IN 46635</u>, <u>Keith R. Milner</u> residing at <u>6122 Flintlock Drive</u>, <u>West</u> <u>Lafayette</u>, <u>47906</u>, and <u>Angela R. Barnett</u> residing at <u>801 S. 29th Street</u>, Lafayette, <u>IN 47904</u> (the "MED Inventor(s)");

WHEREAS I/We, <u>Oliver Bach</u>, residing at <u>Lönsweg 15</u>, <u>75305</u> <u>Neuenbürg, Germany</u>, and <u>Ralf Steiner</u>, residing at <u>In den Metzgerlesgärten</u> <u>12</u>, <u>75181 Pforzheim</u>, <u>Germany</u>, (the "ADMEDES Inventors");

have jointly invented a certain invention or inventions related to "**BLOOD PERFUSION DEVICE**" and being described in U.S. patent application No. <u>13/761,391</u>, filed on <u>February 7, 2013</u>, and any and all applications claiming the benefit thereof including the right of priority, (the "Invention" or "Inventions").

WHEREAS, the Cook 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 Cook</u>"), by virtue of employment or otherwise;

WHEREAS, the MED Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in **Medical Engineering and Development Institute, Inc., d/b/a MED Institute, Inc.,** a corporation of the State of Indiana having an office at One Geddes Way, West Lafayette, IN 47906, U.S.A. ("<u>Assignee MED</u>"), by virtue of employment or otherwise;

WHEREAS, the Admedes Inventor(s) acknowledges that any of my/our right, title, or interest in the Invention or Inventions aforementioned vest in **Admedes Schuessler GbmH**, an German corporation, Rastatter Straße 15, 75179 Pforzheim, Germany 07231 92231-0, by virtue of employment or otherwise, hereby sell, assign, and transfer to Admedes Schuessler GmbH and its successors, assigns, and legal representatives, hereinafter collectively "Assignee Admedes" the entire right, title and interest in the said invention or inventions,

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 Cook, Assignee Med, and Assignee Admedes by virtue of employment or otherwise, Cook Inventor(s), MED Inventors and Admedes Inventors desires to assign to Assignee Cook, Assignee Med, and Assignee Admedes all of my/our right, title, and interest in, to, or under the Invention or Inventions, and

Assignee Cook, Assignee Med, and Assignee Admedes desires to accept such an assignment.

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

The Cook Inventor(s), MED Inventors and Admedes Inventors hereby sells, assigns and transfers and does hereby confirm any previous contribution, assignment, and transfer, unto Assignee Cook, Assignee MED, and Assignee Admedes respectively, 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 Cook Inventor(s), MED Inventors and Admedes Inventors authorizes Assignee Cook, Assignee Med, and Assignee Admedes 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 Cook Inventor(s), MED Inventors and Admedes Inventors 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 Cook, Assignee Med, and Assignee Admedes 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 Cook Inventor(s), MED Inventors and Admedes Inventors requests that any and all patents for the Invention or Inventions be issued to Assignee Cook, Assignee Med, and Assignee Admedes in the United States and in all countries foreign to the United States, or to such nominees as Assignee may designate.

The Cook Inventor(s), MED Inventors and Admedes Inventors agrees that, when requested, I/we shall, without charge to Assignee Cook, Assignee Med, and Assignee Admedes, 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.

Date: FEB UNRY 25th 2013 Ram H. Paul, Jr., Inventor State of Indiana) ss: County of Monroe On this <u>25</u> day of <u>February</u> 2013, before me personally came <u>Ram H. Paul, Jr.</u>, 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 Date: Richard A. Swift, Inventor State of Indiana) ss: County of Tippecanoe day of ______ 2013, before me On this personally came Richard A. Swift, to me known to be the individual described in and

who executed the foregoing instrument, and acknowledged execution of the same.

My Commission Expires:

Notary Public

.

Date: Oliver Bach, Inventor Witness Date: Ralf Steiner, Inventor Witness Signed for and on behalf of COOK INCORPORATED, This day of <u>Marin</u>, 2013 Thomas A. Osborne, Sr. Vice President IP Growth and Development State of Indiana SS: County of Monroe On this ______ day of ______ 2013, 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. Notary Public

My Commission Expires: July 02,2017

ASSIGNMENT AND AGREEMENT

WHEREAS I/We, <u>Ram H. Paul, Jr.</u>, residing at <u>1251 West Church</u> Lane, Bloomington, IN 47403, (the "Cook Inventor(s)");

WHEREAS I/We, <u>Richard A. Swift</u>, residing at <u>52428 Tally Ho Drive</u>, <u>South Bend, IN 46635</u>, <u>Keith R. Milner</u> residing at <u>6122 Flintlock Drive</u>, <u>West</u> <u>Lafayette</u>, <u>47906</u>, and <u>Angela R. Barnett</u> residing at <u>801 S. 29th Street</u>, <u>Lafayette</u>, <u>IN 47904</u> (the "MED Inventor(s)");

WHEREAS I/We, <u>Oliver Bach</u>, residing at <u>Lönsweg 15, 75305</u> <u>Neuenbürg, Germany</u>, and <u>Ralf Steiner</u>, residing at <u>In den Metzgerlesgärten</u> <u>12, 75181 Pforzheim, Germany</u>, (the "ADMEDES Inventors");

have jointly invented a certain invention or inventions related to "BLOOD PERFUSION DEVICE" and being described in U.S. patent application No. <u>13/761,391</u>, filed on <u>February 7, 2013</u>, and any and all applications claiming the benefit thereof including the right of priority, (the "Invention" or "Inventions").

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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 Cook, Assignee Med, and Assignee Admedes by virtue of employment or otherwise, Cook Inventor(s), MED Inventors and Admedes Inventors desires to assign to Assignee Cook, Assignee Med, and Assignee Admedes all of my/our right, title, and interest in, to, or under the Invention or Inventions, and

PA-6816

Assignee Cook, Assignee Med, and Assignee Admedes desires to accept such an assignment.

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

The Cook Inventor(s), MED Inventors and Admedes Inventors hereby sells, assigns and transfers and does hereby confirm any previous contribution, assignment, and transfer, unto Assignee Cook, Assignee MED, and Assignee Admedes respectively, 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.

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PATENT

in connection with said applications, patents, or other forms of protection for the Invention or Inventions.

Date: Ram H. Paul, Jr., Inventor State of Indiana) ss: County of Monroe

On this _____ day of _____ 2013, before me personally came <u>Ram H. Paul, Jr.,</u> to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

My Commission Expires:

Date: February 25, 2013

State of Indiana

County of Tippecanoe

Richard A. Swift, Invento

Notary Public

On this <u>25</u> day of <u>February</u> 2013, before me personally came <u>Richard A. Swift</u>, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

)) ss:

Notary Public

My Commission Expires: July 29, 2018

Date: 27 FEBRUARY 2013

PATENT

Keith R. Milner, Inventor

State of Indiana

) ss:

County of Tippecanoe

On this 27 day of Febauary 2013, before me personally came Keith R. Milner, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

-Notary Public

My Commission Expires: July 29,2018

5 2013 Date: Angela R. Barnett., Inventor

State of Indiana

County of Tippecanoe

On this 25 day of <u>Fibruary</u> 2013, before me personally came <u>Angela R. Barnett</u>, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

)) ss:

Notary Public

My Commission Expires: July 29, 2018

Signed for and on behalf of MEDICAL ENGINEERING AND DEVELOPMENT INSTITUTE, INC.

day of February 2013 This 2

Matthew S Vaninger, President/

State of Indiana

County of Tippecanoe

On this _____ day of <u>fibruary</u> 2013, before me personally came <u>Matthew S. Waninger</u>, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

) ss:

Notary Public

My Commission Expires: July 29, 2018

Signed for and on behalf of ADMEDES SCHUESSLER GMBH This _____ day of ______, 2013

Witness

PATENT REEL: 030180 FRAME: 0019

ASSIGNMENT AND AGREEMENT

WHEREAS I/We, <u>Ram H. Paul, Jr.</u>, residing at <u>1251 West Church</u> Lane, <u>Bloomington</u>, <u>IN 47403</u>, (the "Cook Inventor(s)");

WHEREAS I/We, <u>Richard A. Swift</u>, residing at <u>52428 Tally Ho Drive</u>, <u>South Bend, IN 46635</u>, <u>Keith R. Milner</u> residing at <u>6122 Flintlock Drive</u>, <u>West</u> <u>Lafayette</u>, <u>47906</u>, and <u>Angela R. Barnett</u> residing at <u>801 S. 29th Street</u>, <u>Lafayette</u>, <u>IN 47904</u> (the "MED Inventor(s)");

WHEREAS I/We, <u>Oliver Bach</u>, residing at <u>Lönsweg 15</u>, <u>75305</u> <u>Neuenbürg, Germany</u>, and <u>Ralf Steiner</u>, residing at <u>In den Metzgerlesgärten</u> <u>12</u>, <u>75181 Pforzheim</u>, <u>Germany</u>, (the "ADMEDES Inventors");

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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 Cook, Assignee Med, and Assignee Admedes by virtue of employment or otherwise, Cook Inventor(s), MED Inventors and Admedes Inventors desires to assign to Assignee Cook, Assignee Med, and Assignee Admedes all of my/our right, title, and interest in, to, or under the Invention or Inventions, and

PA-6816

Assignee Cook, Assignee Med, and Assignee Admedes desires to accept such an assignment.

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

The Cook Inventor(s), MED Inventors and Admedes Inventors hereby sells, assigns and transfers and does hereby confirm any previous contribution, assignment, and transfer, unto Assignee Cook, Assignee MED, and Assignee Admedes respectively, 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.

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The Cook Inventor(s), MED Inventors and Admedes Inventors agrees that, when requested, I/we shall, without charge to Assignee Cook, Assignee Med, and Assignee Admedes, 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.

Date:	-			
		Ram H. Paul, Jr., Inventor		
State of Indiana County of Monroe)) ss:			
Soundy of Monitoe	,			
On this day of 2013, before me personally came <u>Ram H. Paul, Jr.</u> , to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.				
My Commission Expires:		Notary Public		
Date:	-	Richard A. Swift, Inventor		
		Richard A. Switt, Inventor		
State of Indiana)) ss:			
County of Tippecanoe)				
On this		day of 2013, before me		
personally came <u>Richard A. Sw</u>	<u>vift</u> , to ı	me known to be the individual described in and		
who executed the foregoing ins	strume	nt, and acknowledged execution of the same.		

My Commission Expires:

Notary Public

PATENT

Date: <u>March, 25, 2013</u>	Oliver Bach, Inventor
	Witness
Date:	Ralf Steiner, Inventor
	Witness
Signed for and on behalf of COOK INCORPORATED, This day of, 2013	Thomas A. Osborne, Sr. Vice President IP
, ,	Growth and Development
State of Indiana)	
) ss: County of Monroe)	
On this personally came <u>Thomas A. Osborne</u> and who executed the foregoing instr same.	day of2013, before me to me known to be the individual described in ument, and acknowledged execution of the

My Commission Expires:

Notary Public

PATENT

Signed for and on behalf of MEDICAL ENGINEERING AND DEVELOPMENT INSTITUTE, INC.

This ____ day of _____, 2013

Matthew S. Waninger, President

State of Indiana

County of Tippecanoe

On this ______ day of ______ 2013, before me personally came <u>Matthew S. Waninger</u>, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

) ss:

My Commission Expires:

Notary Public

Signed for and on behalf of ADMEDES SCHUESSLER GMBH This 25 day of 170 yeth, 2013

Witness

6

ASSIGNMENT AND AGREEMENT

WHEREAS I/We, <u>Ram H. Paul, Jr.</u>, residing at <u>1251 West Church</u> Lane, <u>Bloomington</u>, <u>IN 47403</u>, (the "Cook Inventor(s)");

WHEREAS I/We, <u>Richard A. Swift</u>, residing at <u>52428 Tally Ho Drive</u>, <u>South Bend, IN 46635</u>, <u>Keith R. Milner</u> residing at <u>6122 Flintlock Drive</u>, <u>West</u> <u>Lafayette</u>, <u>47906</u>, and <u>Angela R. Barnett</u> residing at <u>801 S. 29th Street</u>, <u>Lafayette</u>, <u>IN 47904</u> (the "MED Inventor(s)");

WHEREAS I/We, <u>Oliver Bach</u>, residing at <u>Lönsweg 15</u>, 75305 <u>Neuenbürg</u>, <u>Germany</u>, and <u>Ralf Steiner</u>, residing at <u>In den Metzgerlesgärten</u> <u>12</u>, 75181 Pforzheim, <u>Germany</u>, (the "ADMEDES Inventors");

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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 Cook, Assignee Med, and Assignee Admedes by virtue of employment or otherwise, Cook Inventor(s), MED Inventors and Admedes Inventors desires to assign to Assignee Cook, Assignee Med, and Assignee Admedes all of my/our right, title, and interest in, to, or under the Invention or Inventions, and

> PATENT REEL: 030180 FRAME: 0025

Assignee Cook, Assignee Med, and Assignee Admedes desires to accept such an assignment.

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

The Cook Inventor(s), MED Inventors and Admedes Inventors hereby sells, assigns and transfers and does hereby confirm any previous contribution, assignment, and transfer, unto Assignee Cook, Assignee MED, and Assignee Admedes respectively, 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 Cook Inventor(s), MED Inventors and Admedes Inventors authorizes Assignee Cook, Assignee Med, and Assignee Admedes 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 Cook Inventor(s), MED Inventors and Admedes Inventors 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 Cook, Assignee Med, and Assignee Admedes 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 Cook Inventor(s), MED Inventors and Admedes Inventors requests that any and all patents for the Invention or Inventions be issued to Assignee Cook, Assignee Med, and Assignee Admedes in the United States and in all countries foreign to the United States, or to such nominees as Assignee may designate.

The Cook Inventor(s), MED Inventors and Admedes Inventors agrees that, when requested, I/we shall, without charge to Assignee Cook, Assignee Med, and Assignee Admedes, but at their expense, sign all papers, take all rightful oaths, and do all acts that may be necessary, desirable or convenient

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in connection with said applications, patents, or other forms of protection for the Invention or Inventions.

Date:					
		Ram H. Paul, Jr., Inventor			
State of Indiana)) ss:				
County of Monroe)				
On this day of 2013, before me personally came <u>Ram H. Paul, Jr.</u> , to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.					
		Notary Public			
My Commission Expires:					
Date:	-	Richard A. Swift, Inventor			
		Richard A. Switt, inventor			
State of Indiana)) ss:				
County of Tippecanoe)				
personally came Richard A. Sw	<u>/ift</u> , to	day of 2013, before me me known to be the individual described in and nt, and acknowledged execution of the same.			

My Commission Expires:

Notary Public

Date: Oliver Bach, Inventor Witness Date: March 25,2013 Ralf Steiner, Inventor tness Signed for and on behalf of COOK INCORPORATED, This _____ day of _____, 2013 Thomas A. Osborne, Sr. Vice President IP Growth and Development State of Indiana) ss: County of Monroe _____ 2013, before me _____ day of _ On this 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:

Notary Public

Signed for and on behalf of MEDICAL ENGINEERING AND DEVELOPMENT INSTITUTE, INC.

This ____ day of _____, 2013

Matthew S. Waninger, President

State of Indiana)) County of Tippecanoe)

)) ss:)

On this _____ day of _____ 2013, before me personally came <u>Matthew S. Waninger</u>, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

My Commission Expires:

Notary Public

Signed for and on behalf of ADMEDES SCHUESSLER GMBH This <u>ZS</u> day of <u>tarch</u>, 2013

Witness