

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5440071

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHRISTOPHER A. CAREW	01/06/2018
HAROLD T. DUPERIER III	01/09/2018
JIAN LING	01/05/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HEMODUS MEDICAL, LLC
<b>Street Address:</b>	30051 CIBOLO TRACE
<b>City:</b>	FAIR OAKS RANCH
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	78015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16363674
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)655-1501
<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>	
<b>Phone:</b>	312-655-1500
<b>Email:</b>	Docket.Department@huschblackwell.com
<b>Correspondent Name:</b>	HUSCH BLACKWELL LLP HUSCH BLACKWELL SAND
<b>Address Line 1:</b>	120 S RIVERSIDE PLAZA
<b>Address Line 2:</b>	22ND FLOOR
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	535144-10
<b>NAME OF SUBMITTER:</b>	DENISE L. MAYFIELD
<b>SIGNATURE:</b>	/Denise L. Mayfield/
<b>DATE SIGNED:</b>	03/26/2019
<b>Total Attachments: 11</b>	
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**ASSIGNMENT BY INVENTOR**

**THIS ASSIGNMENT**, made this 9 day of January, 2018, by Christopher A. Carew, a resident of Fair Oaks Ranch, Texas, (hereinafter referred to as Assignor);

**WHEREAS**, Christopher A. Carew, Assignor has invented certain new and useful improvements in **METHOD OF ESTIMATING BLOOD VOLUME**, for which application is about to be made for Letters Patent in the United States and for which U.S. Provisional Patent Application Serial No. 62/445,067 was filed on January 11, 2017 (collectively the "Application"); and

**WHEREAS**, HEMODUS MEDICAL, LLC, organized under and pursuant to the laws of the State of Delaware, having its principal place of business at 30051 Cibolo Trace, Fair Oaks Ranch, Texas 78015, U.S.A. (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application, and in and to any and all subsequently developed inventions and filed applications, including any Letters Patent of the United States and any foreign countries to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and Application, and in and to any and all provisionals, non-provisionals, direct and indirect divisions, continuations and continuations-in-part of said Application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be

granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and Application above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Application, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any provisionals, non-provisionals division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

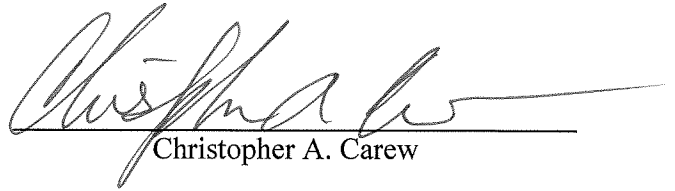
**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HUSCH BLACKWELL LLP


All practitioners at Customer Number 24628

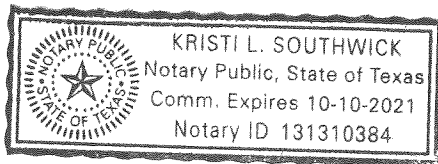
**AND** Assignor acknowledges an obligation of assignment of this invention to  
Assignee at the time the invention was made.

  
Christopher A. Carew

Date: January 9, 2018

On this 9<sup>th</sup> day of January, 2018, before me personally came Christopher A. Carew, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public



**ASSIGNMENT BY INVENTOR**

**THIS ASSIGNMENT**, made this 9 day of January, 2018, by Harold T. Duperier, III, a resident of Boerne, Texas, (hereinafter referred to as Assignor);

**WHEREAS**, Harold T. Duperier, III, Assignor has invented certain new and useful improvements in **METHOD OF ESTIMATING BLOOD VOLUME**, for which application is about to be made for Letters Patent in the United States (the "Application"); and

**WHEREAS**, HEMODUS MEDICAL, LLC, organized under and pursuant to the laws of the State of Delaware, having its principal place of business at 30051 Cibolo Trace, Fair Oaks Ranch, Texas 78015, U.S.A. (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application, and in and to any and all subsequently developed inventions and filed applications, including any Letters Patent of the United States and any foreign countries to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and Application, and in and to any and all provisionals, non-provisionals, direct and indirect divisions, continuations and continuations-in-part of said Application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and Application above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Application, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any provisionals, non-provisionals division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

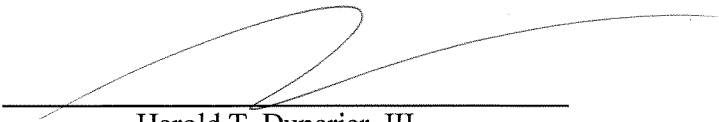
**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HUSCH BLACKWELL LLP

All practitioners at Customer Number 24628



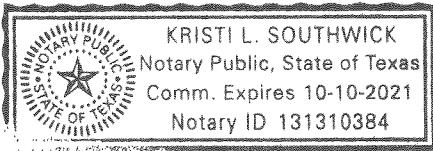
**AND** Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.

  
Harold T. Duperier, III

Date: January 9, 2018

On this 9 day of January, 2018, before me personally came Harold T. Duperier, III, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public



**ASSIGNMENT BY INVENTOR**

**THIS ASSIGNMENT**, made this 5th day of January, 2018, by Jian Ling, a resident of San Antonio, Texas, (hereinafter referred to as Assignor);

**WHEREAS**, Jian Ling, Assignor has invented certain new and useful improvements in **METHOD OF ESTIMATING BLOOD VOLUME**, for which application is about to be made for Letters Patent in the United States and for which U.S. Provisional Patent Application Serial No. 62/445,067 was filed on January 11, 2017 (collectively the "Application"); and

**WHEREAS**, HEMODUS MEDICAL, LLC, organized under and pursuant to the laws of the State of Delaware, having its principal place of business at 30051 Cibolo Trace, Fair Oaks Ranch, Texas 78015, U.S.A. (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application, and in and to any and all subsequently developed inventions and filed applications, including any Letters Patent of the United States and any foreign countries to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged; Assignor has sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and Application, and in and to any and all provisionals, non-provisionals, direct and indirect divisions, continuations and continuations-in-part of said Application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

**AND** for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor is the sole and lawful owner of the entire right, title and interest in and to the said inventions and Application above-mentioned, and that the same are unencumbered and that Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignor hereby covenants and agrees to and with Assignee, its successors, legal representatives and assigns, that Assignor will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Application, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any provisionals, non-provisionals division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

**AND** Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

**AND** Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

HUSCH BLACKWELL LLP

All practitioners at Customer Number 24628


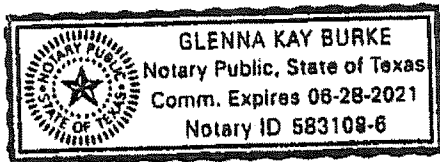
AND Assignor acknowledges an obligation of assignment of this invention to Assignee at the time the invention was made.



Jian Ling

Date: January 5, 2018

On this 5th day of January, 2018, before me personally came Jian Ling, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public