

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT7729000

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL ZUMBRUM	11/20/2019
KEVIN M. PERDUE	10/12/2022
WILLIAM KIMMICK	11/20/2019
JAN NEUHAUS	12/12/2022
RECEIVING PARTY DATA	
Name:	SARTORIUS STEDIM NORTH AMERICA INC.
Street Address:	565 JOHNSON AVENUE
City:	BOHEMIA
State/Country:	NEW YORK
Postal Code:	11716
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16682673
CORRESPONDENCE DATA	
Fax Number:	(336)574-4522
<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>	
Phone:	336-574-8041
Email:	lauren.patterson@wbd-us.com
Correspondent Name:	WOMBLE BOND DICKINSON (US) LLP
Address Line 1:	ATTN: CORY SCHUG
Address Line 2:	300 N. GREENE STREET, SUITE 1900
Address Line 4:	GREENSBORO, NORTH CAROLINA 27401
ATTORNEY DOCKET NUMBER:	A259 1150US.CP1
NAME OF SUBMITTER:	CORY D. SCHUG
SIGNATURE:	/cory schug/
DATE SIGNED:	01/06/2023
Total Attachments: 14	
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ASSIGNMENT OF INVENTION

WHEREAS, Michael Zumbrum, an individual residing at 22 Emerald Lane, New Oxford, Pennsylvania 17350, USA (hereinafter "Employee"), is employed by Sartorius Stedim North America Inc., a Delaware, USA corporation with its principal address at 565 Johnson Avenue, 11716 Bohemia, NY, USA ("Sartorius"), and as part of his/her employment has performed work in connection with the design, discovery, development or improvement of the inventions described on Exhibit A (hereinafter the "Inventions", and each is an "Invention") for which one or more U.S. patent applications may have been filed as identified in Exhibit A (hereinafter the "Patent Rights"); and

WHEREAS, as a condition of employment with Sartorius, Employee is under an obligation to assign to Sartorius any inventions he/she makes that relate to the scope of his/her employment by Sartorius;

NOW THEREFORE, for and in consideration of the sum of \$ 175 US Dollars, and other valuable consideration ("Consideration"), to Employee in hand paid, the receipt and sufficiency whereof is hereby acknowledged, Employee hereby:

(a) confirms his/her assignment, sale, conveyance and transfer unto Sartorius, its successors and assigns, (the "Assignee"), the entire right, title and interest in and to the Inventions and Employee's entire right, title and interest in and to any Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights which may issue thereon, and the right to apply for any Letters Patent in the United States and in any and all foreign countries on the Inventions, including all divisional, renewal, substitute and continuation applications based in whole or in part upon the Inventions, or upon any and all Letters patents that may issue thereon, and every priority right and the right to claim same that is or may be predicated upon or arise from said invention or the applications arising therefrom, the same to be held and enjoyed by Assignee for the use and enjoyment of Assignee, to the full end of the term for which any said Letters Patent are granted, as fully and entirely as the same would have been held and enjoyed by it if no assignment and sale had been made;

(b) confirms ownership by Assignee of, and hereby assigns to Assignee, any and all right, title and interest of Employee in and to the Patent Rights and all rights to claim priority directly or indirectly to the any of the Patent Rights and all converted non-provisional utility, continuation, divisional, continuation-in-part and reissue applications, all applications that claim priority directly or indirectly to or obtain a priority benefit from any of the Patent Rights, including any such applications that are in foreign countries or are pursuant to the Patent Cooperation Treaty, and all Letters Patent, Invention Registrations, Utility Models, Extensions, Reissues and other rights issuing from any the Patent Rights or any such application in the United States or any other country;

(c) authorizes Assignee to file patent applications in any or all foreign countries on any of the Inventions in its name or otherwise as Assignee may deem advisable;

(d) authorizes the empowered officials of all relevant governments to issue or transfer all Letters Patent granted to Assignee and the entire right, title and interest therein or

otherwise as Assignee may direct, in accordance with this instrument of assignment;

(e) represents and warrants to Assignee that

(i) there are no rights or interests outstanding inconsistent with the rights and interests granted herein,

(ii) he/she has not executed any instrument or granted or transferred any rights or interests inconsistent with the rights and interests granted herein, and

(iii) he/she will not execute any instrument or grant or transfer any rights or interests inconsistent herewith;

(f) binds him/herself, his/her successors and assigns, to execute and deliver to Assignee, and irrevocably appoints Assignee its true and lawful attorney-in-fact on Employee's behalf, and in Employee's name, place and stead, to execute any further documents or instruments and do any and all further acts that may be deemed necessary or desirable by Assignee to support and effect the conveyance of the title, right and as and where contemplated by Assignee and to enable such title to be recorded in the United States and all foreign countries, and to enable Assignee to sustain or reissue any Letters Patent granted, and to maintain, perfect, support, protect, assert and defend the right, title and interest of Assignee, in and to any Invention and any Letters Patent granted, for particular example, in cases of interference, post grant review, inter partes review, opposition, litigation or other proceeding involving any Letters Patent or Invention;

(g) covenants and agrees, in consideration of the premises, that Employee and his/her successors and assigns will at any time upon the reasonable request of Assignee, during normal working hours while employed by Assignee and thereafter at Assignee's expense where same is reasonable and justifiable, communicate to Assignee any facts relating to the Invention and to the history thereof, known to Employee; and

(h) covenants and agrees that Employee will, upon the reasonable request of Sartorius and its Assignees, during normal working hours while employed by Assignee and thereafter at Assignee's expense where same is reasonable and justifiable, testify as to the same in any interference, post grant review, inter partes review, opposition, litigation or other proceeding involving any Letters Patent or Invention; and

(i) understands and agrees that this Assignment has been made and no rights to the Invention shall remain with Employee, whether or not Assignee elects to apply for any Letters Patent in the United States or any foreign country; and

(k) understands and agrees that this Assignment does not create an employment agreement or guarantee employment of Employee at Assignee for any period of time whatsoever; Employee's employment status remains at-will; and

(l) understands and agrees that Sartorius' remittance of Consideration hereunder is completely voluntary on the part of Sartorius, that no further or future obligation to remit payment for any other or future Assignment of Invention on the part of Employee is guaranteed, promised, or relayed, and that Sartorius may discontinue, change, modify, alter or cancel such practice at any

time hereafter with respect to Employee or any other employee, agent or representative at Sartorius' sole discretion

(m) understands that the assignment to and rights of Sartorius hereunder shall inure to the benefit of Sartorius and its successors and assigns.

By: 

Name: Michael Zumburum

Title: Research Fellow

Date: November 20th, 2019

Exhibit A

Inventions

<u>Patent Applications n°:</u>	<u>Entitled</u>	<u>Filed</u>
U.S. App. No. 16/682,673	System for Simultaneous Distribution of Fluid to Multiple Vessels and Method of Using the Same	November 13, 2019
PCT App. No. PCT/US2019/061229	System for Simultaneous Distribution of Fluid to Multiple Vessels and Method of Using the Same	November 13, 2019

PATENT AND INVENTION ASSIGNMENT

WHEREAS, I, the undersigned:

KEVIN M. PERDUE, a citizen of the United States of America, residing at 3719 Green Spring Road, Havre de Grace, Maryland 21078, (hereinafter referred to as “**Assignor**”), has invented certain new and useful improvements disclosed in a patent application entitled:

SYSTEM FOR SIMULTANEOUS DISTRIBUTION OF FLUID TO MULTIPLE VESSELS AND METHOD OF USING THE SAME

(Attorney Docket No. A259 1150US.CP1).

WHEREAS, **SARTORIUS STEDIM NORTH AMERICA INC.**, a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 565 Johnson Avenue, Bohemia, New York 11716, hereinafter called **Sartorius Stedim North America Inc.**, desires to acquire all right, title, and interest in the patent application identified above, all related inventions, and all patents which may be obtained from said application in designated countries, as set forth below;

NOW, THEREFORE, for good and valuable and legally sufficient consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned **Assignor** individually has assigned and by these presents do assign and transfer unto **Sartorius Stedim North America Inc.** the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said patent application, (ii) in and to said application, (iii) in and to all divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining Patents of the United States therefor, (iv) in and to all patents of the United States which may be granted on the foregoing and all reissues and extensions thereof, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority has been or may be claimed under Title 35 of the United States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority

rights arising from any of the afore-mentioned patent applications; and **Assignor** does hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to **Sartorius Stedim North America Inc.** as Assignee, for its interest and for the sole use and behoof of **Sartorius Stedim North America Inc.** and its assigns and legal representatives;

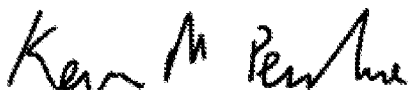
For the same consideration, **Assignor**, by these presents, does sell, assign and transfer to **Sartorius Stedim North America Inc.**, the full, exclusive and entire right, title and interest: in and to any and all applications worldwide for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates and designs, (the "Foreign Applications") filed or which are hereafter filed in countries foreign to the United States and describing in whole or in part the said inventions and improvements, in and to any Patents and similar protective rights granted on said Foreign Applications, and in and to the right to file such applications and the right to claim any applicable priority rights arising from or required for said Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations; said Foreign Applications to be filed and issued in the name of **Sartorius Stedim North America Inc.** or its respective designees, insofar as permitted by applicable law;

AND, for the same consideration, **Assignor** agrees to communicate to **Sartorius Stedim North America Inc.**, its successors, legal representatives and assigns, any facts known to **Assignors** respecting said invention, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **Sartorius Stedim North America Inc.**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

If this assignment is submitted for recordation at a time other than at the time of filing said patent application, Assignors hereby authorize the above-mentioned assignee or the attorney of record to insert in this instrument the filing date and serial number of said application after the same shall have been identified:

Patent Application Serial No.: 16/682,673
Filing Date: November 13, 2019

Signed on the date indicated beside our signatures.



Kevin M. Perdue

12OCT2022

Date

**ACCEPTED AND ACKNOWLEDGED
BY ASSIGNEE:**

SARTORIUS STEDIM NORTH AMERICA INC.

By: Mary Lavin

Name: Mary Lavin

Title: President

Date: Nov 22, 202

ASSIGNMENT OF INVENTION

WHEREAS, William Kimmick, an individual residing at 3309 Lisburn Rd, Mechanicsburg PA 17055, USA (hereinafter "Employee"), is employed by Sartorius Stedim North America Inc., a Delaware, USA corporation with its principal address at 565 Johnson Avenue, 11716 Bohemia, NY, USA ("Sartorius"), and as part of his/her employment has performed work in connection with the design, discovery, development or improvement of the inventions described on Exhibit A (hereinafter the "Inventions", and each is an "Invention") for which one or more U.S. patent applications may have been filed as identified in Exhibit A (hereinafter the "Patent Rights"); and

WHEREAS, as a condition of employment with Sartorius, Employee is under an obligation to assign to Sartorius any inventions he/she makes that relate to the scope of his/her employment by Sartorius;

NOW THEREFORE, for and in consideration of the sum of \$ 175 US Dollars, and other valuable consideration ("Consideration"), to Employee in hand paid, the receipt and sufficiency whereof is hereby acknowledged, Employee hereby:

(a) confirms his/her assignment, sale, conveyance and transfer unto Sartorius, its successors and assigns, (the "Assignee"), the entire right, title and interest in and to the Inventions and Employee's entire right, title and interest in and to any Letters Patent, Invention Registrations, Utility Models, Extensions or Reissues and other patent rights which may issue thereon, and the right to apply for any Letters Patent in the United States and in any and all foreign countries on the Inventions, including all divisional, renewal, substitute and continuation applications based in whole or in part upon the Inventions, or upon any and all Letters patents that may issue thereon, and every priority right and the right to claim same that is or may be predicated upon or arise from said invention or the applications arising therefrom, the same to be held and enjoyed by Assignee for the use and enjoyment of Assignee, to the full end of the term for which any said Letters Patent are granted, as fully and entirely as the same would have been held and enjoyed by it if no assignment and sale had been made;

(b) confirms ownership by Assignee of, and hereby assigns to Assignee, any and all right, title and interest of Employee in and to the Patent Rights and all rights to claim priority directly or indirectly to the any of the Patent Rights and all converted non-provisional utility, continuation, divisional, continuation-in-part and reissue applications, all applications that claim priority directly or indirectly to or obtain a priority benefit from any of the Patent Rights, including any such applications that are in foreign countries or are pursuant to the Patent Cooperation Treaty, and all Letters Patent, Invention Registrations, Utility Models, Extensions, Reissues and other rights issuing from any the Patent Rights or any such application in the United States or any other country;

(c) authorizes Assignee to file patent applications in any or all foreign countries on any of the Inventions in its name or otherwise as Assignee may deem advisable;

(d) authorizes the empowered officials of all relevant governments to issue or transfer all Letters Patent granted to Assignee and the entire right, title and interest therein or

otherwise as Assignee may direct, in accordance with this instrument of assignment;

(e) represents and warrants to Assignee that

(i) there are no rights or interests outstanding inconsistent with the rights and interests granted herein,

(ii) he/she has not executed any instrument or granted or transferred any rights or interests inconsistent with the rights and interests granted herein, and

(iii) he/she will not execute any instrument or grant or transfer any rights or interests inconsistent herewith;

(f) binds him/herself, his/her successors and assigns, to execute and deliver to Assignee, and irrevocably appoints Assignee its true and lawful attorney-in-fact on Employee's behalf, and in Employee's name, place and stead, to execute any further documents or instruments and do any and all further acts that may be deemed necessary or desirable by Assignee to support and effect the conveyance of the title, right and as and where contemplated by Assignee and to enable such title to be recorded in the United States and all foreign countries, and to enable Assignee to sustain or reissue any Letters Patent granted, and to maintain, perfect, support, protect, assert and defend the right, title and interest of Assignee, in and to any Invention and any Letters Patent granted, for particular example, in cases of interference, post grant review, inter partes review, opposition, litigation or other proceeding involving any Letters Patent or Invention;

(g) covenants and agrees, in consideration of the premises, that Employee and his/her successors and assigns will at any time upon the reasonable request of Assignee, during normal working hours while employed by Assignee and thereafter at Assignee's expense where same is reasonable and justifiable, communicate to Assignee any facts relating to the Invention and to the history thereof, known to Employee; and

(h) covenants and agrees that Employee will, upon the reasonable request of Sartorius and its Assignees, during normal working hours while employed by Assignee and thereafter at Assignee's expense where same is reasonable and justifiable, testify as to the same in any interference, post grant review, inter partes review, opposition, litigation or other proceeding involving any Letters Patent or Invention; and

(i) understands and agrees that this Assignment has been made and no rights to the Invention shall remain with Employee, whether or not Assignee elects to apply for any Letters Patent in the United States or any foreign country; and

(k) understands and agrees that this Assignment does not create an employment agreement or guarantee employment of Employee at Assignee for any period of time whatsoever; Employee's employment status remains at-will; and

(l) understands and agrees that Sartorius' remittance of Consideration hereunder is completely voluntary on the part of Sartorius, that no further or future obligation to remit payment for any other or future Assignment of Invention on the part of Employee is guaranteed, promised, or relayed, and that Sartorius may discontinue, change, modify, alter or cancel such practice at any

time hereafter with respect to Employee or any other employee, agent or representative at Sartorius' sole discretion

(m) understands that the assignment to and rights of Sartorius hereunder shall inure to the benefit of Sartorius and its successors and assigns.

By:  _____

Name: William Kimmick

Title: Technician

Date: November 20th, 2019

Exhibit A

Inventions

Patent Applications n°:	Entitled	Filed
U.S. App. No. 16/682,673	System for Simultaneous Distribution of Fluid to Multiple Vessels and Method of Using the Same	November 13, 2019
PCT App. No. PCT/US2019/061229	System for Simultaneous Distribution of Fluid to Multiple Vessels and Method of Using the Same	November 13, 2019

PATENT AND INVENTION ASSIGNMENT

WHEREAS, I, the undersigned:

JAN NEUHAUS, a citizen of Germany, residing at Dransbergweg 20, (hereinafter referred to as “**Assignor**”), has invented certain new and useful improvements disclosed in a patent application entitled:

SYSTEM FOR SIMULTANEOUS DISTRIBUTION OF FLUID TO MULTIPLE VESSELS AND METHOD OF USING THE SAME

(Attorney Docket No. A259 1150US.CP1).

WHEREAS, **SARTORIUS STEDIM NORTH AMERICA INC.**, a corporation organized and existing under the laws of the State of Delaware, having its principal place of business at 565 Johnson Avenue, Bohemia, New York 11716, hereinafter called **Sartorius Stedim North America Inc.**, desires to acquire all right, title, and interest in the patent application identified above, all related inventions, and all patents which may be obtained from said application in designated countries, as set forth below;

NOW, THEREFORE, for good and valuable and legally sufficient consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned **Assignor** individually has assigned and by these presents do assign and transfer unto **Sartorius Stedim North America Inc.** the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said patent application, (ii) in and to said application, (iii) in and to all divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining Patents of the United States therefor, (iv) in and to all patents of the United States which may be granted on the foregoing and all reissues and extensions thereof, (v) in and to any provisional patent applications filed in the United States describing in whole or in part the said inventions and improvements, from which priority has been or may be claimed under Title 35 of the United

States Code, and (vi) in and to the right to claim any applicable foreign and domestic priority rights arising from any of the afore-mentioned patent applications; and **Assignor** does hereby request the Commissioner of Patents to issue any and all Patents of the United States resulting from said application, or from a division, continuation, continuation-in-part, or reissue thereof, to **Sartorius Stedim North America Inc.** as Assignee, for its interest and for the sole use and behoof of **Sartorius Stedim North America Inc.** and its assigns and legal representatives;

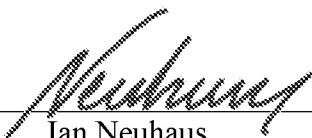
For the same consideration, **Assignor**, by these presents, does sell, assign and transfer to **Sartorius Stedim North America Inc.**, the full, exclusive and entire right, title and interest: in and to any and all applications worldwide for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates and designs, (the "Foreign Applications") filed or which are hereafter filed in countries foreign to the United States and describing in whole or in part the said inventions and improvements, in and to any Patents and similar protective rights granted on said Foreign Applications, and in and to the right to file such applications and the right to claim any applicable priority rights arising from or required for said Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations; said Foreign Applications to be filed and issued in the name of **Sartorius Stedim North America Inc.** or its respective designees, insofar as permitted by applicable law;

AND, for the same consideration, **Assignor** agrees to communicate to **Sartorius Stedim North America Inc.**, its successors, legal representatives and assigns, any facts known to **Assignors** respecting said invention, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid **Sartorius Stedim North America Inc.**, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

If this assignment is submitted for recordation at a time other than at the time of filing said patent application, Assignors hereby authorize the above-mentioned assignee or the attorney of record to insert in this instrument the filing date and serial number of said application after the same shall have been identified:

Patent Application Serial No.: 16/682,673
Filing Date: November 13, 2019

Signed on the date indicated beside our signatures.




Jan Neuhaus

12 DEC 2022

Date

**ACCEPTED AND ACKNOWLEDGED
BY ASSIGNEE:**

SARTORIUS STEDIM NORTH AMERICA INC.

By: 

Name: Maurice Phelan

Title: President Sartorius Stedim North America

Date: 1 Jan. 2023
