

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5299404

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	FRESENIUS USA, INC.	05/06/2010
RECEIVING PARTY DATA		
Name:	Fresenius Medical Care Holdings, Inc.	
Street Address:	920 Winter Street	
City:	Waltham	
State/Country:	MASSACHUSETTS	
Postal Code:	02451	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16232498
CORRESPONDENCE DATA		
Fax Number:	(714)464-5413	
<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:	949-795-2386	
Email:	michael@novelip.com	
Correspondent Name:	SONA DALAL	
Address Line 1:	191 W. SECOND STREET	
Address Line 4:	SANTA ANA, CALIFORNIA 92701	
ATTORNEY DOCKET NUMBER:	FMC215A_CON3_FMCUSTOFMCH	
NAME OF SUBMITTER:	SONA DALAL	
SIGNATURE:	/SONA DALAL/	
DATE SIGNED:	12/26/2018	
Total Attachments: 3		
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PATENT ASSIGNMENT

WHEREAS, Fresenius USA, Inc., a Massachusetts corporation, ("Assignor") is the owner of all right, title, and interest in and to the patents and patent applications listed on Schedule 1 attached hereto, and the inventions and discoveries disclosed therein (the "Patents"); and

WHEREAS, Assignor desires to sell and Fresenius Medical Care Holdings, Inc., a New York corporation, ("Assignee") desires to obtain all right, title, and interest in and to the Patents;

NOW, THEREFORE, for valuable consideration furnished by Assignee to Assignor, the receipt and sufficiency of which Assignor hereby acknowledges, Assignor hereby, without reservation:

1. Sells, assigns, transfers, and conveys to Assignee, its successors and assigns, its entire right, title, and interest in and to the Patents and in all patents in the United States of America and all other countries and jurisdictions which may be granted therefore and thereon, and the inventions and discoveries disclosed therein, including, without limitation, any and all divisions, continuations and continuations-in-part, or reissues or extensions of the Patents, and all rights under the International Convention for the Protection of Industrial Property, together with the worldwide right to sue and recover for, and the right to profits or damages due or accrued arising out of or in connection with, any and all past, present, or future infringement of the Patents, with the same to be held and enjoyed by Assignee, for its own use and enjoyment and the use and enjoyment of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made;

2. Authorizes and requests the Director of the United States Patent and Trademark Office and the empowered officials of all other governments to issue or transfer the Patents to Assignee, as assignee of the entire interest thereto; and

3. Binds itself, and its successors, legal representatives, and assigns to do, upon Assignee's request and at Assignee's expense, without additional consideration to Assignor or its successors, legal representatives, and assigns, all acts reasonably serving to assure that said Patents shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by Assignor, its successors, legal representatives, and assigns had this sale and assignment not been made; and particularly to execute and deliver to Assignee all lawful documents in form and substance as may be requested by Assignee to effectuate this sale and assignment.

IN WITNESS THEREOF, the undersigned certifies that the undersigned is an officer of Assignor and is duly authorized by Assignor to execute this Patent Assignment on its behalf, and has executed this Patent Assignment as an instrument under seal as of this 6 day of May 2010.

FRESENIUS USA, INC.

By: 

Name: Jules Jay Morris

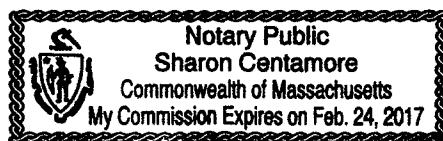
Title: Vice President and Chief Intellectual Property Counsel

State of Massachusetts }
County of Middlesex } ss:

On this 6th day of May 2010, before me personally appeared Jules Jay Morris, to me personally known, known to me to be the duly elected and authorized Vice President and Chief Intellectual Property Counsel of Fresenius USA, Inc., and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed and the free act deed of Fresenius USA, Inc.


Notary Public

My commission expires: 02/24/17



PATENT ASSIGNMENT - SCHEDULE 1

<u>Title</u>	<u>Jurisdiction</u>	<u>Application No</u>	<u>Application Date</u>
Photo-Acoustic Flow Meter	USA	12/249,090	10/10/2008
Manifolds for Use in Conducting Dialysis	USA	12/237,914	09/25/2008
Methods and Systems for Controlling Ultrafiltration Using Central Venous Pressure Measurements	USA	12/238,055	09/25/2008
Method and System for Achieving Volumetric Accuracy in Hemodialysis Systems	USA	12/210,080	09/12/2008
System and Method for Conducting Hemodialysis and Hemofiltration	USA	12/324,924	11/28/2008
Valve System	USA	12/351,969	01/12/2009
Carbon Dioxide Gas Removal From The Dialysate Circuit of A Dialysis Device	USA	12/355,128	01/16/2009
Systems and Methods of Urea Processing to Reduce Sorbent Load	USA	12/355,102	01/16/2009
Improved Sorbent Cartridge with Ammonia Sensing Capability for Use in Dialysis Systems	USA	12/610,100	10/26/2009
System and Method For Modulating Dialysate Sodium Concentration In A Sorbent-Based Dialysis System	USA	61/166,178	04/02/2009
Thermal Flow Meter	USA	12/575,449	10/7/2009
Methods and Systems for Measuring and Verifying Additives for Use In a Dialysis Machine	USA	12/713,447	02/26/2010
Priming System and Method for Dialysis Systems	USA	12/575,450	10/7/2009
System and Method for Detection of Disconnection in an Extracorporeal Blood Circuit	USA	12/705,054	02/12/2010
Modular, Portable Dialysis System	USA	12/610,032	10/30/2009
Modular Reservoir Assembly for A Hemodialysis and Hemofiltration System	USA	61/165,389	03/31/2009
Systems and Methods of Sorbent Dialysis Using Gas Phase Removal of Ammonia	USA	12/729,333	03/23/2010