

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5925084

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TROY J. ORR	11/01/2013
RECEIVING PARTY DATA		
Name:	FRESENIUS MEDICAL CARE HOLDINGS, INC.	
Street Address:	920 WINTER STREET	
City:	WALTHAM	
State/Country:	MASSACHUSETTS	
Postal Code:	02451-1457	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16355141
CORRESPONDENCE DATA		
Fax Number:	(312)827-8185	
<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:	312 807 4214	
Email:	chicago.patents@klgates.com	
Correspondent Name:	ROBERT W. CONNORS	
Address Line 1:	70 WEST MADISON	
Address Line 2:	P.O. BOX 1135	
Address Line 4:	CHICAGO, ILLINOIS 60690-1135	
ATTORNEY DOCKET NUMBER:	3712044.04654	
NAME OF SUBMITTER:	ROBERT W. CONNORS	
SIGNATURE:	/Robert W. Connors/	
DATE SIGNED:	01/23/2020	
Total Attachments: 3		
source=orr-to-fres#page1.tif		
source=orr-to-fres#page2.tif		
source=orr-to-fres#page3.tif		

PATENT ASSIGNMENT

For valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Troy J. Orr, of Draper, Utah, hereby assign to Fresenius Medical Care Holdings, Inc., a New York corporation having a place of business at 920 Winter Street, Waltham, Massachusetts 02451-1457, and its successors and assigns (collectively hereinafter referred to as the "ASSIGNEE"), my entire right, title and interest throughout the world, if any, in and to the inventions and improvements which are the subject of the patents and patent applications listed in Schedule 1 (hereinafter referred to as the "INVENTIONS AND IMPROVEMENTS"), this assignment including the patents and patent applications listed in Schedule 1, any and all United States and foreign patents, utility models, and design registrations granted for any of the INVENTIONS AND IMPROVEMENTS, and the right to claim priority based on the filing date of any of the patents and patent applications listed in Schedule 1 under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and I authorize the ASSIGNEE to apply in all countries in my name or in the ASSIGNEE'S own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for the INVENTIONS AND IMPROVEMENTS; I agree for me and my respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the ASSIGNEE may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at SALT LAKE CITY
this 1 day of NOVEMBER, 2013

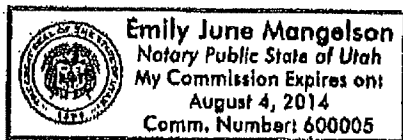
Troy J. Orr
TROY J. ORR

State of Utah:

: ss.

County of Salt Lake:

Before me this 1st day of November, 2013, personally appeared
TROY J. ORR known to me to be the person whose name is subscribed to the foregoing
Assignment and acknowledged that he executed the same as his free act and deed for the
purposes therein contained.



Emily June Mangelson
Notary Public

My Commission Expires: August 4, 2014

[Notary's Seal Here]

Schedule 1

U.S. Application No.: 60/699,262
Title: "Double Diaphragm Pump"
Filing Date: July 13, 2005
Inventor(s): Troy J. Orr

U.S. Patent No.: 7,717,682
U.S. Patent Application Publication No.: 2007/0077156
U.S. Application No.: 11/484,061
Title: "Double Diaphragm Pump and Related Methods"
Filing Date: July 11, 2006
Inventor(s): Troy J. Orr

U.S. Patent No.: 8,038,640
U.S. Patent Application Publication No.: 2009/0137940
U.S. Application No.: 11/945,200
Title: "Diaphragm Pump and Related Systems and Methods"
Filing Date: November 26, 2007
Inventor(s): Troy J. Orr

U.S. Patent No.: 8,197,231
U.S. Patent Application Publication No.: 2008/0077068
U.S. Application No.: 11/945,177
Title: "Diaphragm Pump and Related Methods"
Filing Date: November 26, 2007
Inventor(s): Troy J. Orr

U.S. Patent Application Publication No.: 2012/0224984
U.S. Application No.: 13/472,099
Title: "Diaphragm Pump and Pumping Systems"
Filing Date: May 15, 2012
Inventor(s): Troy J. Orr

23106386.doc