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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Christine Vivian Stonger	07/31/2015
Palmer David Updyke	12/19/2015
John Arrizza	07/28/2015
Michelle Bayly	08/18/2015
DaVeeda Callie Mason	07/31/2015
Edward Royal	08/06/2015
Gaudencio D. Barredo	08/11/2015
Sandra S. Gadeyne	08/03/2015

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:	15910579

CORRESPONDENCE DATA

(877)769-7945 Fax Number:

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.

Phone: (617) 521-7055 Email: rejent@fr.com **Correspondent Name: ANDREW REJENT**

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 18196-0219002 LAKEISHA BRYANT NAME OF SUBMITTER: SIGNATURE: /Lakeisha Bryant/

PAIENI REEL: 045682 FRAME: 0916 504894032

DATE SIGNED:	05/01/2018			
Total Attachments: 10	Total Attachments: 10			
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PATENT REEL: 045682 FRAME: 0917

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, CHRISTINE VIVIAN STONGER, PALMER DAVID UPDYKE, JOHN ARRIZZA, MICHELLE BAYLY, PHIL SWENSON, DAVEEDA CALLIE MASON, EDWARD ROYAL, GAUDENCIO D. BARREDO, JR., and SANDRA S. GADEYNE, each individually assign to FRESENIUS MEDICAL CARE HOLDINGS, INC., a corporation formed under the laws of New York and having a principal place of business at 920 Winter St., Waltham, MA 02451-1457, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "ALERT ON A DIALYSIS MACHINE", and was filed in the United States Patent and Trademark Office on May 28, 2015, as application 14/723,735 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and

Assignment Page 1 of 10

declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Christine Vivian Storger Date: 1/31/15

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature ____

ASHRAF SAMY DOUS
COMMISSION # 1954854 O
Notary Public - California 2
ORANGE COUNTY
My Contin Expires Oct. 2, 2015

Date: 12/19/15 Palmer

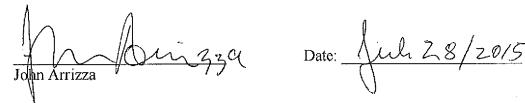
Palmer David Updyke

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Contea County of County

KRISTA URTEAGA
Commission # 1979096
Notary Public - California
Contra Costa County
My Comm. Expires May 21, 2016

WITNESS my hand and official seal.



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of <u>OYUMBL</u>)
County of <u>Dyange</u>) On <u>July 28th</u> 2015 before me, <u>Evika Lopez</u> , <u>Motary</u> public (insert name and title of the officer)
personally appeared John Arrizza
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are_
subscribed to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the
person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature ___

Commission # 2114959
Notary Public - California
Orange County
My Comm. Expires Jul 9, 2019

Mukelle	Bad	A	Date: _	8	18	2015	
Michelle Bayly	(")			('	•	

The Commonwealth of Massachusetts

The Commonwealth of Prassaciusetts
Modies ex ss.
On this 18th day of 1000 , 2015, before me, the undersigned notary public, personally appeared 1000 , proved to me through satisfactory evidence of identification, which were 1000 , to be
the person(s) whose name(s) is/are signed on the preceding or attached document, and
acknowledged to me that <u>SVE.</u> signed it voluntarily for its stated purpose.
Notary Public EXPIRES: 1/21/110

Date:
Phil Swenson
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
State of California County of)
On before me, (insert name and title of the officer)
(insert name and title of the officer)
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.
Signature

Attorney Docket No.: 18196-0219001/130060

| Lawrenge Collie Masses | Date: 7/31/70/5

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____

ASHRAF SAMY DOUS
COMMISSION # 1954854 O
Notary Public - California 2
ORANGE COUNTY
My Comm Expires Oct 2, 2015

Edward Royal

Date: Colored Colored

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Opens

On August pot 2.15

_ before me, <u>-</u>∤≤

Cinsect name and title of the officers

personally appeared _

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

ASHRAF SAMY DOUS COMMISSION # 1954854 ON Notary Public - California ORANGE COUNTY



Date: 8/11/15

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Los Angelor)

On Argust Uth, 2015 before me, Kern Cality Notary Public (insert name and title of the officer)

personally appeared <u>Grandencio</u> D. <u>Barredo</u> <u>T</u> who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature ______//

OFFICIAL SEAL NOTARY PUBLIC - CALIFORNIA **COMMISSION # 2092444** LOS ANGELES COUNTY My Comm. Exp. December 5, 2018

Sandin Goden	Date:	8/3/2015	
Sandra S. Gadevne			

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California	
County of San Dirgo	
On 8/3/2015	before me, Nell Elizabeth Starr, Molary (insert name and title of the officer)
1 1	(insert name and title of the officer)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) (s) are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Nell Elizabeth Stan



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Assignment Page 10 of 10