

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ross Peter Jones</td> <td>05/23/2013</td> </tr> <tr> <td>Martin Joseph Crnkovich</td> <td>04/03/2013</td> </tr> <tr> <td>Fei Wang</td> <td>04/03/2013</td> </tr> <tr> <td>Thomas Irvin Folden</td> <td>04/03/2013</td> </tr> <tr> <td>Lynn Jensen</td> <td>07/30/2013</td> </tr> <tr> <td>Shashikant Dattatraya Kalaskar</td> <td>04/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ross Peter Jones	05/23/2013	Martin Joseph Crnkovich	04/03/2013	Fei Wang	04/03/2013	Thomas Irvin Folden	04/03/2013	Lynn Jensen	07/30/2013	Shashikant Dattatraya Kalaskar	04/08/2013
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<table border="1"> <tr> <td>Name:</td> <td>Fresenius Medical Care Holdings, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>929 Winter Street</td> </tr> <tr> <td>City:</td> <td>Waltham</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02541-1457</td> </tr> </table>		Name:	Fresenius Medical Care Holdings, Inc.	Street Address:	929 Winter Street	City:	Waltham	State/Country:	MASSACHUSETTS	Postal Code:	02541-1457				
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CORRESPONDENCE DATA															
<p>Fax Number: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (617) 542-5070 Email: apsi@fr.com Correspondent Name: Michael R. Hamlin Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O.BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>															
ATTORNEY DOCKET NUMBER:	18196-0181001														

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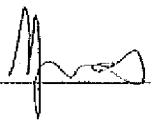
PATENT
 REEL: 031150 FRAME: 0590

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NAME OF SUBMITTER:	Matthew G. Doherty
Signature:	/Matthew G. Doherty/
Date:	09/06/2013
<p>Total Attachments: 7 source=Assign0181#page1.tif source=Assign0181#page2.tif source=Assign0181#page3.tif source=Assign0181#page4.tif source=Assign0181#page5.tif source=Assign0181#page6.tif source=Assign0181#page7.tif</p>	

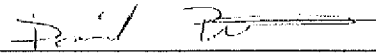
ASSIGNMENT

For valuable consideration, we, Ross Peter Jones, of 84 Wulfstan Way, Cambridge, United Kingdom CB1 8 QH; Martin Joseph Crnkovich, of 3436 Cassena Drive, Walnut Creek, CA 94598; Fei Wang, of 1283 Kestrel Court, Concord, CA 94521, ; Thomas Irvin Folden, of 155 Erselia Trail, Alamo, CA 94507-1311; Lynn Jensen, of 1355 S. 2500 W., Syracuse, UT 84075; Shashikant Dattatraya Kalaskar, of P.O. Box 6175, Ogden, UT 84402; hereby assign to PRESENIUS MEDICAL CARE HOLDINGS, INC., a corporation of New York, having a place of business at 920 Winter St., Waltham, MA 02451-1457, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MEDICAL FLUID SENSORS AND RELATED SYSTEMS, filed March 15, 2013, and assigned U.S. Serial Number 13/836,450, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application 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 we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our 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.



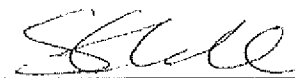
Ross Peter Jones

DATE: 23 MAY 2013



Witness

DATE: 23 MAY 2013



Witness

DATE: 23 may 2013.

Martin Joseph Crnkovich
Martin Joseph Crnkovich

DATE: 4/3/2013

Acknowledgment

State of California

County of Contra Costa

On April 3rd, 2013 before me, Tabora T. Constantennia, Notary Public
(insert name and title of the officer)

personally appeared Martin Joseph Crnkovich
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~~
in ~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the instrument
the person(s), or the 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 Tabora T. Constantennia

(Seal)



Fei Wang
Fei Wang

DATE: 4/3/13

Acknowledgment

State of California

County of Contra Costa

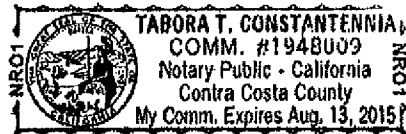
On April 3rd, 2013 before me, Tabora T. Constantennia, Notary Public,
(insert name and title of the officer)

personally appeared Fei Wang,
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 the 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 Tabora T. Constantennia (Seal)



Thomas Irvin Folden
Thomas Irvin Folden

DATE:

4/03/2013

Acknowledgment

State of California

County of Contra Costa

On April 3rd, 2013 before me, Tabora T. Constantennia, Notary Public
(insert name and title of the officer)

personally appeared Thomas Irvin Folden
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 the 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

Tabora T. Constantennia

(Seal)



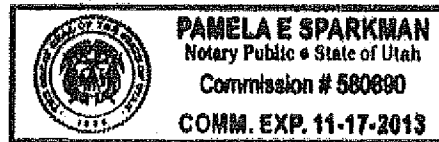
Lynn Jensen
Lynn Jensen

DATE: 7/30/13

State of Utah)
§
County of Wasatch)

On this day 30 of July, in the year 2013, before me Pamela Sparkman
a notary public, personally appeared Lynn Jensen,
proved on the basis of satisfactory evidence to be the person(s) whose name(s) (is/are)
subscribed to this instrument, and acknowledged (he/she/they) executed the same. Witness my
hand and official seal.

Pamela Sparkman
NOTARY PUBLIC



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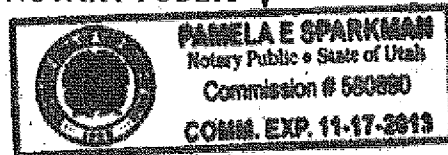
Kalaskar
Shashikant Dattatraya Kalaskar

DATE: April 8, 2013

State of Utah)
§
County of Weber)

On this day 8 of April, in the year 2013, before me Pamela Sparkman
a notary public, personally appeared Shashikant Dattatraya Kalaskar
proved on the basis of satisfactory evidence to be the person(s) whose name(s) (is/are)
subscribed to this instrument, and acknowledged (he/she/they) executed the same. Witness my
hand and official seal.

Pamela E Sparkman
NOTARY PUBLIC



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