

PATENT ASSIGNMENT

Electronic Version v1.1
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| 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>Jules Jay Morris</td> <td>03/10/2010</td> </tr> <tr> <td>Thomas Irvin Folden</td> <td>03/11/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Jules Jay Morris | 03/10/2010 | Thomas Irvin Folden | 03/11/2010 |
| Name | Execution Date | | | | | | |
| Jules Jay Morris | 03/10/2010 | | | | | | |
| Thomas Irvin Folden | 03/11/2010 | | | | | | |
| RECEIVING PARTY DATA | | | | | | | |
| Name: | Fresenius Medical Care Holdings, Inc. | | | | | | |
| Street Address: | 920 Winter St. | | | | | | |
| City: | Waltham | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | |
| Postal Code: | 02451-1457 | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13454632</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13454632 | | |
| Property Type | Number | | | | | | |
| Application Number: | 13454632 | | | | | | |
| CORRESPONDENCE DATA | | | | | | | |
| Fax Number: | (877)769-7945 | | | | | | |
| Phone: | (617) 542-5070 | | | | | | |
| Email: | hector@fr.com | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | |
| 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 | | | | | | |
| ATTORNEY DOCKET NUMBER: | 18196-0088002 | | | | | | |
| NAME OF SUBMITTER: | Karen Hector | | | | | | |
| Total Attachments: 3 source=assignment#page1.tif source=assignment#page2.tif source=assignment#page3.tif | | | | | | | |

CH \$40.00 13454632

ASSIGNMENT

For valuable consideration, we, Jules Jay Morris, of 634 Newton Street, Chestnut Hill, MA 02467; and Thomas Irvin Folden, of 155 Erselia Trail, Alamo, CA 94507-1311; hereby assign to FRESENIUS 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 PUMP SYSTEMS AND RELATED COMPONENTS AND METHODS, filed 12/725,673, and assigned U.S. Serial Number March 17, 2010, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment, including said application, and any and all continuations, continuations-in-part, and divisional applications, and any and all United States and foreign patents (including reissues, reexaminations, extensions), 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 names 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, which is effective as of the filing date of the above-identified application or the filing date of any application the above-identified application claims the benefit of.

IN WITNESS WHEREOF, I hereto set my hand and seal at Waltham, MA,
this 10 day of March, 2010

Jules Jay Morris
JULES JAY MORRIS

Commonwealth of MASSACHUSETTS :

: ss.
County of MIDDLESEX :

Before me this 10TH day of MARCH, 2010, personally appeared
JULES JAY MORRIS 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.

Carol Ann Curcio
Notary Public
My Commission Expires: 6/29/12

[Notary's Seal Here]

DATE: March 11, 2010

Thomas Irvin Folden
THOMAS IRVIN FOLDEN

Acknowledgment

State of California

County of Contra Costa

On 3/11/10 before me, Pat Blume - 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 [Signature] (Seal)



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