

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Nigel Wright	05/31/2012
Samuel Ernest Magargi	05/31/2012
Jeremy Thomas Harbaugh	06/04/2012
Michael John Zang	06/04/2012
Regis Joseph Winniewicz	05/31/2012
Joseph Stephen Beri	05/31/2012
Douglas Mark Zatezalo	05/31/2012
Tom Monahan	05/31/2012
Ronald Robert Fox	05/31/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Fresenius Medical Care Holdings, Inc.
<b>Street Address:</b>	920 Winter St.
<b>City:</b>	Waltham
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02451-1457
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14449884
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<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>	
<b>Phone:</b>	(617) 542-5070
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	JAMES H. RICHARD
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
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<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55440-1022
<b>ATTORNEY DOCKET NUMBER:</b>	24275-0045002
<b>NAME OF SUBMITTER:</b>	MATTHEW G. DOHERTY

PATENT

<b>SIGNATURE:</b>	/Matthew G. Doherty/
<b>DATE SIGNED:</b>	10/31/2014
<b>Total Attachments: 4</b> source=Assign0045002#page1.tif source=Assign0045002#page2.tif source=Assign0045002#page3.tif source=Assign0045002#page4.tif	

ASSIGNMENT

For valuable consideration, we, I, Nigel Wright, of 746 Hertzog Street, California, PA 15419; Samuel Ernest Magargi, of 366 S. Winebiddle Street, Apartment 9, Pittsburgh, PA 15224; Jeremy Thomas Harbaugh, of 1102 Berley Manor Drive, Cranberry Twp, PA 16066; Michael John Zang, of 2915 Kennedy Heights Drive, Allison Park, PA 15101; Regis Joseph Winniewicz, of 831 Crescent Avenue, Ellwood City, PA 16117; Joseph Stephen Beri, 5170 Amleth Drive, Gibsonia, PA 15044; Douglas Mark Zatezalo, of 2912 Clearview Road, Allison Park, PA 15101; Tom Monahan, of 242 Elmhurst Circle, Cranberry Twp, PA 16066 and Ronald Robert Fox, of 121 Lingay Drive, Glenshaw, PA 15116, 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 TUBING INSTALLATION DETECTION, filed 5/10/2012, and assigned U.S. Serial Number 13/468,288, 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.

Date: 5/31/2012 Nigel Wright  
NIGEL WRIGHT

Witnessed by:  
Name: Arianna Gots Date: 5/31/12

Name: Stacy Wilmonski Date: 5-31-12

Date: 5/31/2012 Samuel Ernest Magargi III  
SAMUEL ERNEST MAGARGI III

Witnessed by:  
Name: Arianna Gots Date: 5/31/12

Name: Stacy Wilmonski Date: 5-31-12

Date: 6-4-12 Jeremy Thomas Karbaugh  
JEREMY THOMAS KARBAUGH

Witnessed by:  
Name: Arianna Gots Date: 6/4/12

Name: Stacy Wilmonski Date: 6/4/12

Date: 6/4/12 Michael John Zang  
MICHAEL JOHN ZANG

Witnessed by:  
Name: Arianna Gots Date: 6/4/12

Name: Stacy Wilmonski Date: 6/4/12

Date: 5-31-12

  
REGIS JOSEPH WINNIEWICZ JR.

Witnessed by:

Name: Anna Gato

Date: 5/31/12

Name: Stacy Wilomanski

Date: 5/31/12

Date: 5/31/2012

  
JOSEPH STEPHEN BERI

Witnessed by:

Name: Anna Gato

Date: 5/31/12

Name: Stacy Wilomanski

Date: 5-31-12

Date: 5/31/2012

  
DOUGLAS MARK ZATEZALO

Witnessed by:


Name: Anna Gato

Date: 5/31/12

Name: Stacy Wilomanski

Date: 5-31-12

Date: 5/31/2012

  
TOM MONAHAN

Witnessed by:

Name: Anna Gato

Date: 5/31/12

Name: Stacy Wilomanski

Date: 5-31-12

Date: 5/31/2012

Ronald Robert Fox  
RONALD ROBERT FOX

Witnessed by:

Name: R.M. By

Date: 5/31/12

Name: James Stewart

Date: 5.31.12

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