### 502025837 08/15/2012

#### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### CONVEYING PARTY DATA

Name	Execution Date	
Torsten KELLER	07/30/2012	
Franz KUGELMANN	07/30/2012	
Wolfgang WEHMEYER	07/26/2012	

#### **RECEIVING PARTY DATA**

Name:	Fresenius Medical Care Deutschland GmbH
Street Address:	Else-Kroener-Strasse, 1
City:	Bad Homburg
State/Country:	GERMANY
Postal Code:	61352

#### PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13551222	

### CORRESPONDENCE DATA

 Fax Number:
 2023935350

 Phone:
 202-638-6666

 Email:
 patent@jhip.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US

Mail.

Correspondent Name: JACOBSON HOLMAN PLLC
Address Line 1: 400 SEVENTH STREET N.W.

Address Line 2: SUITE 600

Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004

ATTORNEY DOCKET NUMBER:	P74053US1
NAME OF SUBMITTER:	Harvey B. Jacobson, Jr.

Total Attachments: 3

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> PATENT REEL: 028790 FRAME: 0971

OF \$40.00 13551222

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## UNITED STATES OF AMERICA - ASSIGNMENT

(1-5)	Insert Name(s) of Inventors	(1)	Torsten KELLER	
		(2)	Franz KUGELMANN	and the second
		(3)	Wolfgang WEHMEYER	
		(4)	*	and
		(5)		
		•	in consideration of the sum of one dol	iar (\$1.80), and other good and valuable considerations of and sufficiency of which are hereby acknowledged, the nd sets over to
(6)	insert Name of Assignee	(6)	Fresenius Medical Care Deutschland	3mbH
(7)	Insert <u>Address</u> of Assignee	(7)	of Else-Kroener-Strasse, 1, 61352 B	ad Homburg, Germany
(8)	Insert <u>Legal Entity</u> and <u>State or</u> <u>Country</u> (e.g., a corporation or citizen of Japan)	(8)	a Corporation	of Germany
(9)	Insert <u>Identification</u> of Invention, such as Title, Case Number or Foreign Application Number	(9)	FILTER MODULE	oga opainainean in ann ann an an ann ann ann ann ann
		••	for which the undersigned has (have) exa	cuted an application for patent in the United States of
(10)	Insert <u>Date</u> of signing of Application, or filing date and Serial No., if known	(10)	Said application having been filed on Serial No. 13/55/332	July 17, 2012 (and assigned
	1) The understaned agree(s) to e	execute a	Il papers necessary in connection with this section with such applications as the Assig	application and any continuing or divisional applications
or any o with su	continuing or divisional applications ch interference.  3) The undersioned acree(s) to	s thereof	and to cooperate with the Assignee in ever	ry interference which may be declared concerning this y way possible in obtaining evidence and going forward
provisio				y to obtain a grant of a valid United States patent to the
will not	<ol> <li>The undersigned hereby authorstates resulting from this application by covenants that he has (they hexecute any agreement in conflict 6) Assignor hereby further assign sue for, and collect damages for.</li> </ol>	ave) full herewith is to Assi any and	official applications thereof inght to convey the entire interest herein as gnee all claims and causes of action for infinal acts of past and future infrincement.	ts and Trademarks to issue any and all Letters Patents to the said Assignee, as Assignee of the entire interest, ssigned, and that he has (they have) not executed, and tingement of the patent rights assigned herein, including
	<ul> <li>Ine undersigned hereby gran</li> </ul>	it(s) the h	onk a Ligarobion Hologapula or and	Seventh Street, N.W., Washington, D.C.
	The second secon		ordenor or this document.	ary or desirable in order to comply with the rules of the
- ];	n witness whereof, executed by th	e unders	igned on the date(s) opposite the undersig	ned name(a)
Date -	20.07.20A2 Nan	ne of Inv	entor Torsten KELLER	INIAL ISEALI
Date	<b>»</b> 1	o d . 8.4.	typed name	signature
Dille _	nan	ne ot inv	entor Franz KUGELMANN	(SEAL)
Date	Nan	ne of Inv	typed name enfor <u>Wolfgang WEHMEYER</u>	signature
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TAW OFFICES OF

### JACOBSON HOLMAN

PROFESSIONAL LIMITED LIABILITY COMPANY
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

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PATENT REEL: 028790 FRAME: 0972

# UNITED STATES OF AMERICA - ASSIGNMENT

(7-D)	insert <u>Name(s)</u> of Inventors	(1)	Torsten KELLER		
		(2)	Franz KUGELMANN	The second control of	Amerika serian serian bilan bilanga sapaga
		(3)	Wolfgang WEHMEYER	***************************************	
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		****	In consideration of the sum of one dollar paid to each of the undersigned, the receipt a undersigned hereby assigns, transfers and s	BD Stillicionary of which are because when	considerations owledged, the
(6)	Insert <u>Name</u> of Assignee		resenius Medical Care Deutschland Gm		
(7)	Insert Address of Assignee	(7)	of Else-Kroener-Strasse, 1, 61352 Bad I	Homburg, Germany	roys as room to payable cabout can areca w
(8)	Insert Legal Entity and State of	or (8)			************************
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(9)	Insert <u>Identification</u> of Invention such as Title, Case Number o Foreign Application Number	). (m)	ETER MODULE	THE THE THE PARTY OF THE PARTY	· · · · · · · · · · · · · · · · · · ·
		f.	or which the undersigned has (have) execut	ed an application for patent in the Unit	and Cintag of
(10)	Insert <u>Date</u> of signing of Application, or filing date and Serial No., if known	", (10) (	laid application having been filed on serial No. $13.55.232$	The farmer was a firm	and assigned
United S and here will not a right to 20004, I United S	4) The undersigned agree(s) in name of the Assignee. 5) The undersigned hereby autitates resulting from this application application of the Assigner in confile accuse any agreement in confile (s) Assignor hereby further assigned for, and collect damages for 7) The undersigned hereby grathe power to insert on this assigned and Trademark Official States Patent and Trademark Official States Stat	perform all horize(s) an ion or any co have) full ric therewith, gns to Assign r, any and al int(s) the lay ment any ful fice for reco	papers and documents and perform any act findustrial Property or similar agreements, affirmative acts which may be necessary to direquest(s) the Commissioner of Patents a nitinuing or divisional applications thereof to that to convey the entire interest herein assignee all claims and causes of action for infringuacts of past and future infringement, of firm of Jacobson Holman PLLC, 400 Sevither identification which may be necessary dation of this document.	obtain a grant of a valid United States and Trademarks to issue any and all Le the said Assignee, as Assignee of the eined, and that he has (they have) not ement of the patent rights assigned her renth Street, N.W., Washington, D.C. or desirable in order to comply with the	patent to the itters Patents intire interest, xeculed, and ein, including
ir Date	witness whereof, executed by t	he undersig	ned on the date(s) opposite the undersigned	diname(s).	
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Date _	30 1 20/2 Na	ime of Inver	typed name tor Franz KUGELMANN	////signature	(SEAL)
Date _	Na	me of Inver	typed name tor Wolfgang WEHMEYER	signature	(SEAL)
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PROFESSIONAL LIMITED LIABILITY COMPANY
THE JENIFER BUILDING
400 SEVENTH STREET, N.W.
WASHINGTON, D.C. 20004

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PATENT REEL: 028790 FRAME: 0973

## UNITED STATES OF AMERICA - ASSIGNMENT

(1-5)	Insert Name(s) of Inventors	(1)	orsten KELLER	and the second of the second o	
		(2) J	ranz KUGELMANN	a Maja a bada a ta sa	PTGC PTHAT PARAMETER
		(3)	Volfgang WEHMEYER	and the complete describes and a field of the state and the embedding of the end of the end of the state and t	3044866604669944499449
		(4)			Total (1994) had preserved a province
		(5)	and the second	and the state of t	ang
		p	In consideration of the sum of one dollar (\$ aid to each of the undersigned, the receipt and ndersigned hereby assigns, transfers and se	Stifficiency of which are hereby acknow	nsiderations viedged, the
(6)	Insert Name of Assignee	(6) F	resenius Medical Care Deutschland Gmb	4	
(7)	Insert <u>Address</u> of Assignee	(7) 0	Else-Kroener-Strasse, 1, 61352 Bad Ho	mburg, Germany	17 PANES PROSPECTO AND PRESENTAR
(8)	Insert <u>Legal Entity</u> and <u>State or</u> <u>Country</u> (e.g., a corporation or citizen of Japan)	· ()	Corporation tereinalter designated as the Assignee) the e	of Germany	d States, its
(9)	Insert <u>Identification</u> of Invention, such as Title, Case Number or Foreign Application Number	200 6	erritories, dependencies and possessions, in ILTER MODULE	the invention known as	grad tifer adress no 14 and 2 days 250
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(10)	Insert <u>Date</u> of signing of Application, or filing date and Serial No., if known	(10) S			d assigned
United 5 and her will not right to 20004, 1 United 5	4) The undersigned agree(s) to part of the Assignee. 5) The undersigned hereby authorates resulting from this application by covenants that he has (they hexecute any agreement in conflict 6) Assignor hereby further assign sue for, and collect damages for, 7) The undersigned hereby gran he power to insert on this assignment and Trademark Officials.	perform all crize(s) am or any co- lave) full rig herewith, as to Assign any and all at(s) the law ment any ful-	papers and documents and perform any act of industrial Property or similar agreements.  affirmative acts which may be necessary to our request(s) the Commissioner of Patents an attinuing or divisional applications thereof to that to convey the entire interest herein assign ee all claims and causes of action for infringer acts of past and future infringement, firm of Jacobson Hofman Pt.LC, 400 Seventher Identification which may be necessary of action of this document.	btain a grant of a valid United States part of Trademarks to issue any and all Lette e said Assignee, as Assignee of the entied, and that he has (they have) not exement of the patent rights assigned herein the Street, N.W., Washington, D.C. r desirable in order to comply with the r	atent to the ers Patents fre interest, ecuted, and n, including
Date	Nan	ie ungersigi na of Invan	ned on the date(s) opposite the undersigned torTorsten KELLER	name(s).	
Date _			typed name tor Franz KUGELMANN	signature	_ (SEAL)
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