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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
MARTIN BIEHL	10/17/2018
MICHAEL HOCK	10/18/2018
HENRIK SCHAAKE	10/19/2018
MARTIN BOHM	12/03/2018
ULLA SCHOBEL	12/17/2018

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16083984

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ATTORNEY DOCKET NUMBER:	70015-145US1
NAME OF SUBMITTER:	LISA WALSH
SIGNATURE:	/LISA WALSH/
DATE SIGNED:	04/25/2019

Total Attachments: 4

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PATENT REEL: 048991 FRAME: 0615

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> PATENT REEL: 048991 FRAME: 0616

JOINT ASSIGNMENT Attorney Docket No.: 70015-145US1

ASSIGNMENT

For valuable consideration, we, Martin Biehl of Alter Weg 20, 66606 St. Wendel, Germany, Michael Hock of Fliederweg 10, Munzenberg DE 35516, Henrik Schaake of Elisabethenstr. 1, Bad Homburg, DE 61348, Martin Bohm of Schemcker Weg 5, Magdeburg, DE 39110, Ulla Schöbel of Schulstrasse 1, Kothen DE 06366, of, hereby assign to Fresenius Kabi Deutschland GmbH, a corporation of, having a place of business at Else-Kröener-Strasse 1, 61352 Bad Homburg, Germany, 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 METHOD FOR PRODUCING A MEDICAL PREPARATION USING A PERISTALTIC PUMP, filed 9/11/2018, and assigned U.S. Serial Number 16/083,984, 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, 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 17			Martin	– (Biehl
WITNESS (<u> </u>	v .::.		
Name: (388) Address: (1) (1019 20.185)		
WITNESS:				
Name: Address:				

age 2 of 4	JOINT Attorney Docket No.:	70015-145US
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Page 2 of 4	JOINT ASSIGNMENT Attorney Dockst No.: 70015-145US1	
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PATENT REEL: 048991 FRAME: 0619

JOINT ASSIGNMENT Attorney Docket No.: 70015-145US1

Ulla Schöbel

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PATENT REEL: 048991 FRAME: 0620

RECORDED: 04/25/2019