503755716 03/28/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EMD MILLIPORE CORPORATION	03/24/2016

RECEIVING PARTY DATA

Name:	MERCK PATENT GMBH
Street Address:	FRANKFURTER STRASSE 250
City:	DARMSTADT
State/Country:	GERMANY
Postal Code:	64293

PROPERTY NUMBERS Total: 1

Property Type	Number				
Application Number:	14889590				

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ATTORNEY DOCKET NUMBER:	P-13/072
NAME OF SUBMITTER:	KEVIN S. LEMACK
SIGNATURE:	/Kevin S. Lemack/
DATE SIGNED:	03/28/2016

Total Attachments: 2

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PATENT 503755716 REEL: 038110 FRAME: 0841

Attorney Docket No.: P-13/072

PATENT ASSIGNMENT

WHEREAS, EMD MILLIPORE CORPORATION, of 290 Concord Road, Billerica Massachusetts

01821 a corporation organized and existing under the laws of the STATE OF MASSACHUSETTS

(hereinafter "Assignor") is the owner through a Research and Development Cost Sharing Arrangement of all rights, title and interest in an invention which invention is claimed and described in an application for Letters Patent of the United States of America entitled "Biocidal Purification Reactor" filed in the U.S. Patent and Trademark Office, assigned U.S. Patent Application No.: 14/889,590 and accorded Filling Date of November 6, 2015; and

WHEREAS, Assignor and Merck Patent GmbH of Frankfurter Strasse 250, 64293 Darmstadt, Germany, a corporation organized and existing under the laws of Germany (hereinafter "Merck Patents") have entered into a Patent Services Agreement (hereinafter "Patent Services Agreement") pursuant to which, the parties agree that the beneficial rights of the Assignor in and to the Invention shall be the same during the period that Merck Patents has legal ownership of the Invention as they were prior to the fiduciary transfer of the legal ownership of the Invention to the Merck Patents shall not result in any person or entity, including but not limited to the Merck Patents, acquiring all or any portion of the beneficial rights of the Assignor in and to the Invention. These beneficial rights include, but are not limited to, the Assignor's right to exploit the Invention in any manner that it shall choose, the Assignor's right to receive and to control all of the revenues attributable to the exploitation of the Invention, and the Assignor's right to decide which entities, if any, shall be allowed to exploit the Invention by any such entities; and

WHEREAS, the purpose of this Patent Assignment Agreement is to incorporate the aforementioned Invention into the Patent Services Agreement.

Now, Therefore, pursuant to the above Agreement, the Assignor by these presents does assign and transfer unto Merck Patents the worldwide right and title to the said invention including the United States of America, and the right and title to and under any Letters Patent which may be granted on a patent application claiming the benefit of priority of said invention, or any parts thereof, or on any continuation, division or reissue thereof in the United States of America, in the territorial possessions of the United States of America and in any country foreign to the United States of America, the same to be held by Merck Patents for the enjoyment of Assignor, its successors and assigns as fully and entirely as the same would have been held by Assignor, had this assignment not been made.

PATENT REEL: 038110 FRAME: 0842

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And Assignor hereby authorizes and requests the Commissioner of Patent and Trademarks of the United States of America and respective Patent Office officials in any country foreign to the United States of America to issue said Letters Patent to Merck Patents as the assignee of Assignor's right and title to and under the same, and Assignor hereby further authorizes Merck Patents to apply for Letters Patent in Assignor's name or in its own name, as it in its sole discretion sees fit, utilizing any benefits which may exist under any International Agreement, in any country foreign to the United States of America.

And Assignor does hereby agree to execute any lawful document and to testify as to any material fact or thing which Merck Patents may deem necessary in order to secure unto itself the right and title to said invention or any part thereof and any Letters Patent, the same to be done without any further consideration.

And nothing herein contained shall modify, change, or alter (i) the rights that the Amended and Restated Research and Development Cost Sharing Agreement for Millipore Separation Devices grants to the parties to that agreement and (ii) the rights that the Amended and Restated Research and Development Cost Sharing Agreement for New Membrane grants to the parties to that agreement.

N	WITN	ESS	WHE	REOF,	l hereby	set my l	hand a	nd affix	my	seal o	n behalf	of EMD) Millipore	Corporation	1 this
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John Dana Hubbard

Witness:

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Witness Signature	XXXXX	JOHN	Kindman
Witness Name:	NATICE.	18/1/a	anice:

Date: 3-04-16