

## 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>
ARTHUR SUDERMANN	04/10/2017
MARCEL HOFMEISTER	04/05/2017
DANIEL SCHMID	03/14/2017
STEFAN WALZ	03/17/2017
MATTHIAS KROHLOW	03/15/2017
THOMAS SIEBER	03/27/2017
MICHAEL KOLMEDER	03/14/2017
FRANK PFLUEGER	03/15/2017
CHRISTIAN THALMANN	03/15/2017
ANDRÉ ROESGEN	04/25/2018
ROBERT HASENFRATZ	03/14/2017
FABIAN WAGNER	03/14/2017
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<b>Name:</b>	MANN+HUMMEL GMBH
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<b>Internal Address:</b>	DEPARTMENT LC-IP, PLANT 5.4
<b>City:</b>	LUDWIGSBURG
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	71636
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15456721
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
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PATENT

<b>Address Line 4:</b> LUDWIGSBURG, GREAT BRITAIN 71636	
<b>ATTORNEY DOCKET NUMBER:</b>	4286/WO-US
<b>NAME OF SUBMITTER:</b>	JAMES HASSELBECK
<b>SIGNATURE:</b>	/James Hasselbeck/
<b>DATE SIGNED:</b>	10/25/2018
<b>Total Attachments: 14</b> source=Assign#page1.tif source=Assign#page2.tif source=Assign#page3.tif source=Assign#page4.tif source=Assign#page5.tif source=Assign#page6.tif source=Assign#page7.tif source=Assign#page8.tif source=Assign#page9.tif source=Assign#page10.tif source=Assign#page11.tif source=Assign#page12.tif source=Assign#page13.tif source=Assign#page14.tif	

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

Arthur Sudermann, Bruehlstr. 8, 71711 Steinheim  
Marcel Hofmeister, Panoramaweg 3, 74391 Erligheim  
Daniel Schmid, Zimmerer-Pfad 81, 74343 Sachsenheim  
Stefan Walz, Oscar-Paret-Str. 26, 71691 Freiberg  
Matthias Krohlow, Rossbergstr. 13, 71083 Herrenberg  
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Michael Kolmeder, Am Anger 12, 84130 Dingolfing  
Frank Pflueger, Jahnstr. 4/1, 74343 Sachsenheim  
Christian Thalmann, Kaemmerer Str. 37, 67346 Speyer  
André Roesgen, Im Wiesengrund 8, 73630 Remshalden  
Robert Hasenfratz, Badstr. 32, 71334 Waiblingen  
Fabian Wagner, Koenigsberger Str. 12, 71696 Moeglingen

has/have invented certain new and useful improvements in an invention entitled  
**Plate-Type Filter Element for Gas Filtration**

for which an application for United States Letters Patent will be filed; and

WHEREAS, MANN+HUMMEL GMBH, a corporation organized under the laws of Germany, having a place of business at Schwieberdinger Str. 126, 71636 Ludwigsburg/GERMANY, hereinafter referred to as the "ASSIGNEE", is desirous of acquiring the full and exclusive right, title and interest in and to said application inclusive of any and all priority rights derived therefrom and the inventions therein disclosed, and in and to all Letters Patent, both United States and foreign, to be granted for said inventions;

NOW, THEREFORE, for a valuable consideration, the receipt whereof is hereby acknowledged, I/WE, ASSIGNOR(S) does/do hereby confirm sale, assignment, transfer, and set over, and hereby sell, assign, transfer, and set over unto the ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest in and to the aforesaid application for United States Letters Patent inclusive of any and all priority rights derived therefrom, and the invention therein disclosed, and in and to all Letters Patent and issues thereof which may be granted upon said application and in and to all Letters Patent which may be issued upon any substitutes, divisions, or continuations of said application, and in and to any and all Letters Patent which may be granted for said inventions in any foreign country or countries; the same to be held and enjoyed by the ASSIGNEE for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent and reissues thereof may be granted as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made;

AND I/WE, ASSIGNOR(S) hereby agrees/agree to execute, upon request, any and all further papers which may be necessary or desirable to enable the ASSIGNEE, its successors and assigns, to file and prosecute said application, and any and all substitutes, divisions, or continuations thereof, and any and all reissues of the Letters Patent granted upon said application, or upon any substitutes, divisions, or continuations thereof, and any and all applications for foreign Letters Patent on said invention; and ASSIGNOR(S) further agrees/agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of ASSIGNEE, its successors and assigns, in and to said application and the inventions therein disclosed, and in and to any and all Letters Patent and reissues thereof, both United States and foreign, which may be granted upon said application, and any substitutes, divisions, or continuations thereof, and upon any foreign applications.

AND I/WE, ASSIGNOR(S) agree(s) to perform all affirmative acts which may be necessary to obtain a grant of (a) valid United States of America patent(s) or a grant of (a) valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

AND I/WE, ASSIGNOR(S) hereby authorizes/authorize and requests/request The Commissioner of Patents to issue each and every Letters Patent to be granted upon the aforesaid application for United States Letters Patent, and upon any and all substitutes, divisions, and continuations of said application, and each and every reissue of said Letters Patent, to the ASSIGNEE, its successors and assigns, as the assignee of the entire right, title and interest therein, in accordance with this assignment.

The undersigned hereby grant(s) the assignee MANN+HUMMEL GMBH the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.


The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

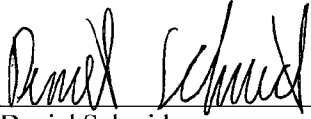
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Date: 15.3.17

Worldwide Assignment for Patent Application 15/456721

4286/US

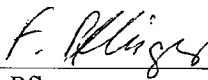
  
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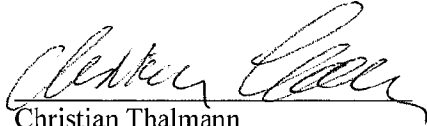


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Date: 14/03/2017


  
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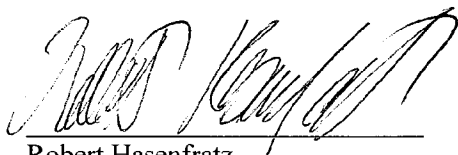


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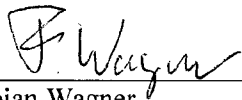
  
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