504588078 10/10/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4634790

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KARL BREITFUSS	07/27/2017
TOBIAS HECK	06/25/2017
SVEN A. KAISER	07/17/2017
STEFAN KAISER	07/17/2017
RUEDIGER KNAUSS	07/17/2017
MARC SCHULLER	07/17/2017
GEORG VOTTELER	07/17/2017

RECEIVING PARTY DATA

Name:	MAHLE INTERNATIONAL GMBH
Street Address:	PRAGSTRASSE 26-46
City:	STUTTGART
State/Country:	GERMANY
Postal Code:	70376

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15532096

CORRESPONDENCE DATA

Fax Number: (248)594-0610

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.

Phone: 248-594-0600

Email:docketing@fishstewip.comCorrespondent Name:FISHMAN STEWART PLLCAddress Line 1:39533 WOODWARD AVENUE

Address Line 2: SUITE 140

Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48304-0610

ATTORNEY DOCKET NUMBER:	66814-0641
NAME OF SUBMITTER:	MICHAEL B. STEWART
SIGNATURE:	/MICHAEL B. STEWART/
DATE SIGNED:	10/10/2017

504588078 REEL: 043829 FRAME: 0275

Total Attachments: 10	
source=R1521473#page1.tif	
source=R1521473#page2.tif	
source=R1521473#page3.tif	
source=R1521473#page4.tif	
source=R1521473#page5.tif	
source=R1521473#page6.tif	
source=R1521473#page7.tif	
source=R1521473#page8.tif	
source=R1521473#page9.tif	
source=R1521473#page10.tif	

PATENT REEL: 043829 FRAME: 0276

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made on the dates indicated below, by Karl Breitfuss; Tobias Heck; Sven A. Kaiser; Stefan Kaiser; Ruediger Knauss; Marc Schuller; and Georg Votteler (hereinafter referred to as Assignors), residing at Bahnhofstr. 22, 9150 Bleiburg, AUSTRIA; Oppenheimerstr. 21, 70499 Stuttgart, GERMANY; Waiblinger Berg 12, 71364 Winnenden, GERMANY; Martin-Luther-Str. 19, 71686 Remseck, GERMANY; Goethestrasse 1, 71394 Kernen I.r., GERMANY; Roemerstr. 25, 71364 Winnenden, GERMANY; and Suedstr. 131, 71522 Backnang, GERMANY, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in FLAT FILTER ELEMENT AND FILTER DEVICE, *set forth in* a Patent application for which an International Application was filed on November 25, 2015, PCT/EP2015/077658, designating the United States; and

WHEREAS, Mahle International GmbH, having its principal place of business at Pragstrasse 26-46, 70376 Stuttgart, GERMANY (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the

same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals 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 United States Patent and Trademark Office for recordation of this document:

FISHMAN STEWART PLLC

All practitioners at Customer Number 10291

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

x27.07.2017	x Kont Stell
Date	Karl Breitfuss
Witness:	
Date	

X 25/06/2017	x Tobias Ruch
Date	Tobias Heck
Witness:	
Date	

× 17.07.17	× Marka
Date	Sven A. Kaiser
Witness:	
Date	

× 17.07.17	X Sty Dai
Date	Stefan Kaiser
Witness:	
Date	- PRINTED CONTROL CONT

× 17.07.2017	X R. Vinney	
Date	Ruediger Knauss	
Witness:		
Date		_

× 17.07.2017	× Man Schill
Date	Marc Schuller
Witness:	
Date	***************************************

x 17.07.701	7 × Nottele	
Date	Georg Votteler	
Witness:		
Date	<u> </u>	***************************************