

## 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>
	RALF SCHULZ	08/04/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	BAYERISCHE MOTOREN WERKE AKTIENGESELLSCHAFT	
<b>Street Address:</b>	PETUELRING 130	
<b>City:</b>	MUENCHEN	
<b>State/Country:</b>	GERMANY	
<b>Postal Code:</b>	80809	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	17053673
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(202)628-8844	
<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>		
<b>Phone:</b>	202-624-2500	
<b>Email:</b>	edocket@crowell.com, abaland@crowell.com	
<b>Correspondent Name:</b>	CROWELL & MORING LLP INTELLECTUAL PROPERTY GROUP	
<b>Address Line 1:</b>	P.O. BOX 14300	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20044-4300	
<b>ATTORNEY DOCKET NUMBER:</b>	080437.PD783US	
<b>NAME OF SUBMITTER:</b>	ROBERT L. GRABAREK, JR.	
<b>SIGNATURE:</b>	/Robert L. Grabarek, Jr./	
<b>DATE SIGNED:</b>	11/06/2020	
<b>Total Attachments: 1</b>		
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**ASSIGNMENT AND DECLARATION UNDER 37 C.F.R. § 1.63**  
(For Use with Signed Application Data Sheet)

**Title of Invention:** Determination of an Ash Loading of a Particulate Filter for an Internal Combustion Engine

This assignment and declaration are directed to (check one):

- ☒ PCT International Application Number PCT/DE2019/100398, filed 2019-05-03  
☐ the application identified above by the attorney docket no. and title of invention  
☐ United States Application No. \_\_\_\_\_, filed \_\_\_\_\_

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as a below named inventor I have assigned, and by these presents hereby assign, unto:

**Name of Assignee:** Bayerische Motoren Werke Aktiengesellschaft

**Address of Assignee:** Petuelring 130, Muenchen 80809, GERMANY

(hereinafter ASSIGNEE) all my right, title and interest for the United States, its territories and possessions in and to the above-identified invention and United States patent application, including any and all divisions or continuations thereof, and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors or assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith.

I warrant and covenant that I have the full and unencumbered right to assign the interests herein assigned and that I have not executed and will not execute any document or instrument in conflict herewith.

I agree to communicate to said ASSIGNEE all information known to me relating to said invention or United States patent application, and to perform all affirmative acts which may be necessary to obtain or maintain a grant of a valid Letters Patent of the United States, or to enforce same, including for all divisions, continuations, reissues or extensions thereof.

**DECLARATION**

As a below named inventor, I hereby declare that:

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Signature:

Inventor:

*Ralf B. Schulz*  
Ralf SCHULZ

*Aug 4<sup>th</sup> 2020*  
DATE