

<b>PATENT ASSIGNMENT COVER SHEET</b>
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EPAS ID: PAT5497603

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHONG HUAI ZHANG	08/22/2017
XIAODAN QIU	08/22/2017
LINWOOD LUDY	08/22/2017
ALI KHOSROSHAHI	08/22/2017
LEIGH KRAUSER	08/22/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FEDERAL-MOGUL POWERTRAIN LLC
<b>Street Address:</b>	27300 WEST 11 MILE ROAD
<b>City:</b>	SOUTHFIELD
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48034
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15684875
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(844)670-6009
<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>	2484337200
<b>Email:</b>	khopf@dickinsonwright.com
<b>Correspondent Name:</b>	DICKINSON WRIGHT PLLC
<b>Address Line 1:</b>	2600 WEST BIG BEAVER
<b>Address Line 2:</b>	SUITE 300
<b>Address Line 4:</b>	TROY, MICHIGAN 48084
<b>ATTORNEY DOCKET NUMBER:</b>	710240-8645
<b>NAME OF SUBMITTER:</b>	ROBERT L. STEARNS
<b>SIGNATURE:</b>	/Robert L. Stearns/
<b>DATE SIGNED:</b>	04/29/2019
<b>Total Attachments: 3</b>	

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ASSIGNMENT

WHEREAS, WE, Zhong Huai Zhang, Xiaodan Qiu, Linwood Ludy, Ali Khosroshahi, and Leigh Krauser (hereinafter referred to as Assignors), residing respectively at 106 Hartman Road, Pottstown, PA 19465; 317 Penwyllt Court, Exton, PA 19341; 2292 Bruce Drive, Pottstown, PA 19464; 529 Methven Grove Drive, Cary, NC 27519, and 760 Reeceville Road, Coatesville, PA 19320, have invented new and useful improvements in:

**IMPACT RESISTANT, SHRINKABLE KNITTED TUBULAR SLEEVE AND METHOD OF CONSTRUCTION THEREOF**

which is set forth in an application in the United States having the attorney docket number (SY-50716; 710240-8645) and executed on even date herewith:

AND WHEREAS, Federal-Mogul Powertrain LLC, having an address at, 27300 West 11 Mile Road, Southfield, MI 48034, is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors have assigned, sold and set over, and by these presents assign, sell and set over unto the Assignee, its successors, legal representatives and assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest in and to said invention, said application for Letters Patent, including the right to file foreign patent applications corresponding to said application, and the right to claim the priority date of said United States patent application and any legal equivalents thereof, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and to any and all divisions, continuations, and continuations-in-part of said application, or re-issues or extensions or substitutions or renewals of said Letters Patent or Patents prepared and executed by Assignors on even date herewith, the same to be held and enjoyed by the Assignee, as fully and entirely as the same would have been held by the Assignors had this Assignment and sale not been made.

WE hereby authorize and request the Patent Office Officials in the United States and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Assignee as the assignee of our entire right, title and interest in and to the same, for the sole use and right of the Assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by us had this Agreement and sale not been made.

Further, WE agree that WE will communicate to the Assignee or its representatives any facts known to us respecting the invention, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said

Assignee, make all rightful oaths, and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper protection for the invention in the United States and in any foreign countries.

AND, the undersigned hereby grants the firm of Dickinson Wright PLLC and its attorneys the power to insert on this assignment any further identification, including the application number and filing date, 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.

8/22/17  
Date

Z. H. Zhang  
Name: Zhong Huai Zhang

8/22/17  
Date

Xiaodan Qiu  
Name: Xiaodan Qiu

8-22-17  
Date

Linwood Ludy  
Name: Linwood Ludy

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name: Ali Khosroshahi

8/22/17  
Date

Leigh Krauser  
Name: Leigh Krauser

Please address all correspondence and telephone calls and, upon recordation, please return this document to:

John D. Wright  
DICKINSON WRIGHT, PLLC  
2600 W. Big Beaver Road, Suite 300  
Troy, Michigan 48084-3312  
(248) 433-7390

Further, WE agree that WE will communicate to the Assignee or its representatives any facts known to us respecting the invention, and will testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said Assignee, make all rightful oaths, and generally do everything possible to aid the Assignee, its successors and assigns, to obtain and enforce proper protection for the invention in the United States and in any foreign countries.

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Date Name: Zhong Huai Zhang

Date Name: Xiaodan Qiu

Date Name: Linwood Ludy

Date 8/22/2017 Name: Ali Khosroshahi 

Date Name: Leigh Krauser

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