

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT3660095

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the ATTORNEY DOCKET NUMBER SHOULD READ 016906-0707 previously recorded on Reel 037207 Frame 0174. Assignor(s) hereby confirms the CONVEYING PARTY, RECEIVING PARTY, AND PROPERTY NUMBER ARE CORRECT.
<b>RESUBMIT DOCUMENT ID:</b>	503598479

**CONVEYING PARTY DATA**

Name	Execution Date
MAHLE BEHR FRANCE HAMBACH S.A.S.	10/27/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	MAHLE INTERNATIONAL GMBH
<b>Street Address:</b>	PRAGSTRASSE 24-26
<b>City:</b>	STUTTGART
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	70376

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Patent Number:</b>	8282049

**CORRESPONDENCE DATA****Fax Number:**

*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.*

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<b>ATTORNEY DOCKET NUMBER:</b>	016906-0707
<b>NAME OF SUBMITTER:</b>	KATIE NEWCOMB
<b>SIGNATURE:</b>	/katie newcomb/
<b>DATE SIGNED:</b>	12/16/2015

**Total Attachments: 5**

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<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MAHLE BEHR FRANCE HAMBACH S.A.S.	10/27/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MAHLE INTERNATIONAL GMBH
<b>Street Address:</b>	PRAGSTRASSE 24-26
<b>City:</b>	STUTTGART
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	70376
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	8282049
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<b>Email:</b>	knewcomb@foley.com, ipdocketing@foley.com
<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>Correspondent Name:</b>	FOLEY & LARDNER LLP
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<b>Address Line 4:</b>	WASHINGTON, D.C. 20007
<b>ATTORNEY DOCKET NUMBER:</b>	<del>022894-0121</del> 016906-0707
<b>NAME OF SUBMITTER:</b>	KATIE NEWCOMB
<b>Signature:</b>	/katie newcomb/
<b>Date:</b>	12/03/2015

**PATENT**

**REEL: 037311 FRAME: 0470**

**Total Attachments: 2**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT3641592  
**Receipt Date:** 12/03/2015

**PATENT**

## PATENT ASSIGNMENT

WHEREAS MAHLE Behr France Hambach S.A.S., of Zone Europole de Sarreguemines, 57910 Hambach, FRANCE, (hereinafter "Assignor") is the owner of the following United States Letters Patent(s), and the invention(s) set forth therein, as shown by the records of the United States Patent and Trademark Office:

U.S. PATENT APPLICATION NO. or U.S. PATENT NO.	FILING or GRANT DATE	TITLE
8,282,049	10/09/2012	HOLDER FOR A HEAT EXCHANGER

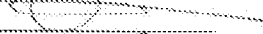
WHEREAS MAHLE International GmbH, Pragstrasse 24-26, 70376 Stuttgart, GERMANY (hereinafter referred to as "Assignee") is desirous of acquiring the full right, title and interest in and to said invention for the United States of America, and in and to said United States Patent Application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by Assignor, Assignor has sold, assigned, transferred and set over, and by these presents hereby sells, assigns, transfers and sets over to Assignee the entire and exclusive right, title and interest in and to said inventions for the United States of America, and in and to said application for Letters Patent listed above, including any and all divisional, continuation, continuation-in-part, reissues or extensions thereof, to be held and enjoyed by Assignee for its own use as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment not been made; the Commissioner of Patents and Trademarks of the United States of America is hereby authorized to transfer the portion of the title indicated to said application to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the Assignor, but also that such assigned rights are not encumbered by any grant, license, or other right theretofore given; Assignor hereby undertakes to execute and deliver to Assignee upon request all lawful documents which may be requested by Assignee, and to furnish Assignee with all facts relating to said invention as may be requested.

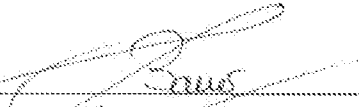
The undersigned hereby grant the firm of FOLEY & LARDNER LLP, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

MAHLE Behr-France Hambach S.A.S.

Date: October 27, 2015

By:   
Name: PATRICK JUNG  
Title: Development Department Manager

Date: October 27, 2015

Witness: 

Date: October 27, 2015

Witness: 