

## 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>
MAHLE THERMOELEKTRONIK GMBH	05/19/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MAHLE INTERNATIONAL GMBH
<b>Street Address:</b>	PRAGSTRASSE 26-46
<b>City:</b>	70376 STUTTGART
<b>State/Country:</b>	GERMANY
<b>PROPERTY NUMBERS Total: 11</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14380272
Application Number:	14903962
Application Number:	12919617
Application Number:	12988441
Application Number:	14762863
Application Number:	14352225
Application Number:	12919656
Application Number:	13381468
Application Number:	13984645
Application Number:	13701674
Application Number:	14761278
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<b>ATTORNEY DOCKET NUMBER:</b>	5381-GC-2

<b>NAME OF SUBMITTER:</b>	ALFRED W. FROEBRICH
<b>SIGNATURE:</b>	/Alfred W. Froebrich/
<b>DATE SIGNED:</b>	05/30/2018
<b>Total Attachments: 2</b> source=5381-GC-EXECUTED_Assignment#page1.tif source=5381-GC-EXECUTED_Assignment#page2.tif	

5381-GC

ASSIGNMENT

WHEREAS,

MAHLE Thermoelektronik GmbH

Auf der Höhe 49

47059 Duisburg

GERMANY

a limited liability company under the laws of Germany, (the Assignor), is the sole and exclusive owner, by assignment, of U.S. Patent Application No. 14/380,272 filed August 21, 2014, U.S. Patent Application No. 14/903,962 filed January 8, 2016, U.S. Patent Application No. 13/381,468 filed August 21, 2014, U.S. Patent Application No. 13/701,674 filed August 21, 2014, and U.S. Patent Application No. 14/761,278 filed August 21, 2014, (the Applications), U.S. Patent No. 9,112,107 issued August 18, 2015, U.S. Patent No. 8,763,680 issued July 1, 2014, U.S. Patent No. 9,627,601 issued April 18, 2017, U.S. Patent No. 9,105,781 issued August 11, 2015, U.S. Patent No. 9,182,148 issued November 10, 2015, U.S. Patent No. 8,952,235 issued February 10, 2015, (the Patents),

AND WHEREAS,

MAHLE International GmbH

Pragstrasse 26-46

70376 Stuttgart

GERMANY

a limited liability company under the laws of Germany, (the Assignee) desires to acquire the entire right, title and interest in, to and under the Applications and the Patents.

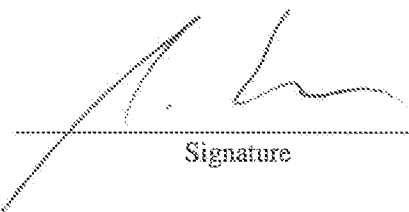
NOW, THEREFORE, to all whom it may concern, be it known that for valuable consideration, the receipt of which is hereby acknowledged, the Assignor does hereby sell, assign, transfer and set over unto the Assignee, the entire right, title and interest in, to and under the Applications and the Patents, including, without limitation, any divisions and continuations of the patent applications, all Patents which may be granted on such applications, all reissues thereof, all rights to sue for past infringement thereunder and all patents which may be granted relating to the Applications and the Patents and all income, royalties, damages and payments now due or which later become payable in respect thereto, the same to be held and enjoyed by the Assignee for its own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives, to the end of the term or terms of which said Applications and Patents, are or may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor, if this Assignment and sale had not been made.

The Assignor agrees to sign any additional Assignments and other appropriate documentation necessary to effectuate and validate this Assignment, as soon as is practicable after the date of this Assignment.

MAHLE Thermoelektronik GmbH

19.05.2018

Date

  
Signature

Dr. Achim Wiebelt

Name

Director General Manager

Position