

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Christoph Beerens</td> <td>06/11/2013</td> </tr> <tr> <td>Antonio Menonna</td> <td>07/06/2013</td> </tr> <tr> <td>Almir Zahirovic</td> <td>07/04/2013</td> </tr> </tbody> </table>		Name	Execution Date	Christoph Beerens	06/11/2013	Antonio Menonna	07/06/2013	Almir Zahirovic	07/04/2013		
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<table border="1"> <tr> <td>Name:</td> <td>Mahle International GmbH</td> </tr> <tr> <td>Street Address:</td> <td>Pragstrasse 26-46</td> </tr> <tr> <td>City:</td> <td>Stuttgart</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>70376</td> </tr> </table>		Name:	Mahle International GmbH	Street Address:	Pragstrasse 26-46	City:	Stuttgart	State/Country:	GERMANY	Postal Code:	70376
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 2485940610  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-594-0600        Email: patentmail@raderfishman.com        Correspondent Name: RADER, FISHMAN &amp; GRAUER PLLC        Address Line 1: 39533 WOODWARD AVENUE        Address Line 2: SUITE 140        Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48304-0610</p>											
ATTORNEY DOCKET NUMBER:	66814-0244										
NAME OF SUBMITTER:	Michael B. Stewart										
Signature:	/Michael B. Stewart/										

Date:

09/03/2013

**Total Attachments: 6**

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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made on the dates indicated below, by Christoph Beerens; Antonio Menonna; and Almir Zahirovic (hereinafter referred to as Assignors), residing at Leibnitzstrasse 47, 70193 Stuttgart, GERMANY; Dietrich-Bonhoeffer-Strasse 16, 71254 Ditzingen, GERMANY; and Fritz-Reuter Strasse 14, 70197 Stuttgart, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in HEATING DEVICE, set forth in a Patent application for which an International Application was filed on December 7, 2011, PCT/EP2011/072009, 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:

RADER, FISHMAN & GRAUER 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.

11.06.17  
Date

Chr. Beerens  
Christoph Beerens

Witness:

\_\_\_\_\_  
Date

\_\_\_\_\_

11.06.2013  
Date

Antonio Menonna  
Antonio Menonna

Witness:

de. 07.13  
Date

Chris Zaidant

04.07.13  
Date

Almir Zahirović  
Almir Zahirović

Witness:

\_\_\_\_\_  
Date

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