

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mirko Braun</td> <td>12/03/2008</td> </tr> <tr> <td>Michael Feil</td> <td>12/18/2008</td> </tr> <tr> <td>Edwin Hartmann</td> <td>12/08/2008</td> </tr> <tr> <td>Stefan Ruppel</td> <td>12/05/2008</td> </tr> </tbody> </table>		Name	Execution Date	Mirko Braun	12/03/2008	Michael Feil	12/18/2008	Edwin Hartmann	12/08/2008	Stefan Ruppel	12/05/2008
Name	Execution Date										
Mirko Braun	12/03/2008										
Michael Feil	12/18/2008										
Edwin Hartmann	12/08/2008										
Stefan Ruppel	12/05/2008										
<b>RECEIVING PARTY DATA</b>											
Name:	Mahle International GmbH										
Street Address:	Pragstrasse 26-46										
City:	Stuttgart										
State/Country:	GERMANY										
Postal Code:	70376										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12302634</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12302634						
Property Type	Number										
Application Number:	12302634										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(248)594-0610										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	248-594-0600										
Email:	mbs@raderfishman.com										
Correspondent Name:	RADER, FISHMAN & GRAUER PLLC										
Address Line 1:	39533 WOODWARD AVENUE										
Address Line 2:	SUITE 140										
Address Line 4:	BLOOMFIELD HILLS, MICHIGAN 48304-0610										
ATTORNEY DOCKET NUMBER:	66814-0030										
NAME OF SUBMITTER:	Michael B. Stewart										

CH \$40.00 12302634

**Total Attachments: 15**

source=r0636014#page1.tif  
source=r0636063#page1.tif  
source=r0636063#page2.tif  
source=r0636063#page3.tif  
source=r0636063#page4.tif  
source=r0636063#page5.tif  
source=r0636063#page6.tif  
source=r0636063#page7.tif  
source=r0636063#page8.tif  
source=r0636063#page9.tif  
source=r0636063#page10.tif  
source=r0636063#page11.tif  
source=r0636063#page12.tif  
source=r0636063#page13.tif  
source=r0636063#page14.tif



## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Mirko Braun; Michael Feil; Edwin Hartmann; and Stefan Ruppel (hereinafter referred to as Assignors), residing at Mühlenweg 5, 73035 Göppingen, GERMANY; Friedrich-von-Schiller-Strasse 18, 95444 Bayreuth, GERMANY; Zum Holderbusch 48, 71397 Weiler Zum Stein, GERMANY; and Bothestrasse 54, 69126 Heidelberg Emmertsgrund, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in CYLINDER HEAD OF AN INTERNAL COMBUSTION ENGINE, set forth in a Patent application for which an International Application was filed on April 24, 2007, PCT/EP2007/053970, 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 therefor 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 of Patent 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.

3.12.2008

Date



Mirko Braun

**Witness:**

Date

**Witness:**

Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Michael Feil

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_



8.12. 2008  
Date

Edwin Hartmann  
Edwin Hartmann

**Witness:**

\_\_\_\_\_  
Date

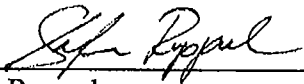
\_\_\_\_\_

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

05.12.2008  
Date

  
Stefan Ruppel

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, by Mirko Braun; Michael Feil; Edwin Hartmann; and Stefan Ruppel (hereinafter referred to as Assignors), residing at Mühlenweg 5, 73035 Göppingen, GERMANY; Friedrich-von-Schiller-Strasse 18, 95444 Bayreuth, GERMANY; Zum Holderbusch 48, 71397 Weiler Zum Stein, GERMANY; and Bothestrasse 54, 69126 Heidelberg Emmertsgrund, GERMANY, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in CYLINDER HEAD OF AN INTERNAL COMBUSTION ENGINE, set forth in a Patent application for which an International Application was filed on April 24, 2007, PCT/EP2007/053970, 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 therefor 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 of Patent 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.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Mirko Braun

**Witness:**

\_\_\_\_\_  
Date

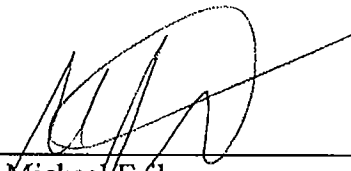
\_\_\_\_\_

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

18.11.08  
Date

  
Michael Feil

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

**Witness:**

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_

Date

\_\_\_\_\_

Edwin Hartmann

**Witness:**

\_\_\_\_\_

Date

\_\_\_\_\_

**Witness:**

\_\_\_\_\_

Date

\_\_\_\_\_



\_\_\_\_\_  
Date

\_\_\_\_\_  
Stefan Ruppel

**Witness:**

\_\_\_\_\_  
Date

**Witness:**

\_\_\_\_\_  
Date