

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Alfred Elsasser</td> <td>10/01/2009</td> </tr> <tr> <td>Jorg Ruckauf</td> <td>10/01/2009</td> </tr> <tr> <td>Dietmar Schwarzenenthal</td> <td>10/20/2009</td> </tr> <tr> <td>Van-Khanh Tran</td> <td>10/20/2009</td> </tr> </tbody> </table>		Name	Execution Date	Alfred Elsasser	10/01/2009	Jorg Ruckauf	10/01/2009	Dietmar Schwarzenenthal	10/20/2009	Van-Khanh Tran	10/20/2009
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CORRESPONDENCE DATA											
<p>Fax Number: (248)594-0610 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-594-0600 Email: akb@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</p>											
ATTORNEY DOCKET NUMBER:	66814-0074										
NAME OF SUBMITTER:	Michael B. Stewart										
Total Attachments: 7											

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 20 day of October, 2009, by Alfred Elsässer; Jörg Rückauf; Dietmar Schwarzenthal; and Van-Khanh Tran (hereinafter referred to as Assignors), residing at Schönblickstrasse 5, 75210 Keltern, GERMANY; Annette-Kolb-Strasse 6/1, 71701 Schwieberdingen, GERMANY; Lenzhalde 5, 71254 Ditzingen, GERMANY; and Holunderweg 18, 71287 Weissach, GERMANY, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in INTERNAL COMBUSTION ENGINE, set forth in a Patent application for which an International Application was filed on April 15, 2008, PCT/EP2008/054522, designating the United States; and

WHEREAS, Mahle International GmbH and Dr. Ing. H.C. F. Porsche Aktiengesellschaft, having their principal places of business at Pragstrasse 26-46, 70376 Stuttgart, GERMANY; and Porschestrasse, 71287 Weissach, GERMANY, respectively (hereinafter referred to as Assignees), are 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 Assignees, their 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 Assignees, for their own use and benefit and the use and benefit of their 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 Assignees, their 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 Assignees under law or that have already been transferred to Assignees, 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 Assignees, their 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 Assignees, their successors, legal representatives and assigns, whenever counsel of Assignees, or counsel of their 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 Assignees, as Assignees of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignees, their 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 Assignees at the time the invention was made.

Date _____

2009-10-01

Alfred Elsässer

Alfred O. R.
d Elsässer

Witness:

Date _____

01.10.2009
Date

Jörg Rückauf
Jörg Rückauf

Witness:

Date

20.10.2009
Date

Dietmar Schwarzenthal
Dietmar Schwarzenthal

Witness:

Date

20.10.2009
Date

Tran van Khanh
Van-Khanh Tran

Witness:

Date
