PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mirko Braun	12/03/2008
Michael Feil	12/18/2008
Edwin Hartmann	12/08/2008
Stefan Ruppel	12/05/2008

RECEIVING PARTY DATA

Name:	Mahle International GmbH
Street Address:	Pragstrasse 26-46
City:	Stuttgart
State/Country:	GERMANY
Postal Code:	70376

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12302634

CORRESPONDENCE DATA

Fax Number: (248)594-0610

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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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

PATENT REEL: 022834 FRAME: 0658 0.00 1230263.

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PATENT REEL: 022834 FRAME: 0659

RECORDATION FORM COVER SHEET PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies) Mirko Braun (12/03/2008), Michael Feil Mahle International GmbH (12/18/2008), Edwin Hartmann (12/08/2008), and Stefan Ruppel (12/05/2008) Internal Address: Additional name(s) of conveying party(ies) attached? χ No Street Address: 3. Nature of conveyance/Execution Date(s): Pragstrasse 26-46 Execution Date(s): in parentheses after inventor name x Assignment Merger Change of Name Security Agreement Joint Research Agreement City: Stuttgart Government Interest Assignment State: Executive Order 9424, Confirmatory License Country: Germany 70376 Additional name(s) & address(es) x No attached? 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) 12/302.634 Additional numbers attached? Yes 5. Name and address to whom correspondence 6. Total number of applications and 1 concerning document should be mailed: patents involved: Name: Michael B. Stewart RADER, FISHMAN & GRAUER PLLC 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: Atty. Dkt.: 66814-0030 Street Address: 39533 Woodward Avenue Authorized to be charged to deposit account Х Suite 140 Enclosed None required (government interest not affecting title) Bloomfield Hills City: 8. Payment Information 48304 Zip: State: Phone Number: (248) 594-0633 Fax Number: __ (248) 594-0610 18-0013 Deposit Account Number Authorized User Name Michael B. Stewart Email Address: mbs@raderfishman.com 9. Signature: /Michael B. Stewart/ June 17, 2009 Signature Michael B. Stewart - 36,018 Total number of pages including cover sheet, attachments, and documents: Name of Person Signing

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this day of,, b	y
Mirko Braun; Michael Feil; Edwin Hartmann; and Stefan Ruppel (hereinafter referred to as	3
Assignors), residing at Mühlenweg 5, 73035 Göppingen, GERMANY; Friedrich-von-Schil	ler-
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

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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	Muly
Date	Mirko Braun
Witness:	
Date	
Witness:	
Date	

Date	Michael Feil	
Witness:		
Date		
Witness:		
Date		 :

8.12. 2008	2ch a.
Date	Edwin Hartmann
Witness:	
Date	
Witness:	
Date	

05.12.2008	States Brown
Date	Stefan Ruppel
Witness:	
Date	
Witness:	
Date	

ASSIGNMENT BY INVENTORS

Γ	HIS ASSIGNMENT, made this	day of		, by
Mirko Braur	ı; Michael Feil; Edwin Hartmann; and	d Stefan Ruppel (her	einafter referred	to as
Assignors), 1	esiding at Mühlenweg 5, 73035 Göpp	pingen, GERMANY	; Friedrich-von-	Schiller
Strasse 18, 9	5444 Bayreuth, GERMANY; Zum H	olderbusch 48, 7139	7 Weiler Zum S	tein,
GERMANY	; and Bothestrasse 54, 69126 Heidelb	erg Emmertsgrund,	GERMANY,	
respectively;				

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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.

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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

Date	Mirko Braun
Witness:	
Date	
Witness:	
Date	

AR AA OR Date	Michael (Feil
Witness:	
Date	
Witness:	

Date

Date	Edwin Hartmann
Witness:	
Date	
Witness:	
Date	

Date	Stefan Ruppel	
Witness:		
Date		
Witness:		
Doto		

Fehler! Unbekannter Name für Dokument-Eigenschaft.