PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3155637

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RAINER SCHARP	07/19/2011
GERHARD BERR	08/19/2011
SASCHA-OLIVER BOCZEK	08/17/2011
REINER MUELLER	08/19/2011

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:	14576384

CORRESPONDENCE DATA

Fax Number: (516)365-9805

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Correspondent Name: ELIZABETH C. RICHTER, ESQ. Address Line 1: 1077 NORTHERN BOULEVARD Address Line 4: **ROSLYN, NEW YORK 11576**

ATTORNEY DOCKET NUMBER:	SCHARP ET AL-36 DIV
NAME OF SUBMITTER:	ELIZABETH C. RICHTER
SIGNATURE:	/Elizabeth C. Richter/
DATE SIGNED:	12/19/2014

Total Attachments: 2

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> **PATENT** REEL: 034554 FRAME: 0543 503109029

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

MAHLE International GmbH

Pragstrasse 26-46 70376 Stuttgart, Germany

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to his invention relating to

title of invention	METHOD FOR THE PRODUCTION OF A PISTON FOR AN INTERNAL COMBUSTION ENGINE
check one	as set forth in his United States Patent Application [] executed concurrently herewith [] executed on
	[X] Serial No. 13/066,559 filed April 18, 2011
	in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all resissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legar representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be

made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

granted as fully and entirely as would have been held and enjoyed by the unsigned had this Assignment not been

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions or continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, resissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of COLLARD & ROE, P.C., 1077 Northern Boulevard, Roslyn, New York 11576, U.S.A., the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

names and	8. Sugar		
signatures	Name: Rainey SCHARP	Name: Gerhard BERR	
of inventors		Name: Gerhard BERR Date: 8/19 2011	
	E.S. oh 358		
,	Name: Sascha-Oliver BOCZEK	Name: Reiner MUELLER	
	Date: 8/17/2011	Date:	

PATENT REEL: 034554 FRAME: 0544

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

MAHLE International GmbH

Pragstrasse 26-46 70376 Stuttgart, Germany

	(hereinafter ASSIGNEE) all right, title and interest for invention relating to	the United States, its territories and possessions in and to his	
title of invention	METHOD FOR THE PRODU AN INTERNAL COMBUSTIC		
check one	as set forth in his United States Patent Application [] executed concurrently herewith [] executed on		
:	in and to said United States Patent Application including any and all Letters Patent of the United States which my including any and all resissues or extensions thereof, to representatives and assigns to the full end of the term of granted as fully and entirely as would have been held a made; Each of the undersigned hereby authorizes an issue any and all such Letters Patent to said ASSIGNE Each of the undersigned warrants and covenant assign the interests herein sold and assigned and that he instrument in conflict herewith; Each of the undersigned further covenants and successors, legal representatives or assigns he will contrepresentatives or assigns all information known to him execute and deliver any papers, make all rightful oaths acts deemed necessary or desirable by said ASSIGNED to said invention, to said application including division which may be granted therefor or thereon, including reassigns or to assist said ASSIGNEE, its successors, legenforcing Letters Patent of the United States for said in	ng any and all divisions or continuations thereof and in and to say issue on any such application or for said invention, be held and enjoyed by said ASSIGNEE, its successors, legal or terms for which any and all such Letters Patent may be and enjoyed by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had this Assignment not been defended by the unsigned had the successors or assigns in accordance herewith; and that he has the full and unencumbered right to sell and the has not executed and will not execute any document or defended by the area of the accordance herewith; and agrees that at any time upon request of said ASSIGNEE, its successors, legal neglection and that he will the testify in any legal proceedings and perform all other lawful and its successors, legal representatives or assigns to perfect title as or continuations thereof and to any and all Letters Patent dissues or extensions, in said ASSIGNEE, its successors, or gal representatives or assigns in obtaining, resissuing or	
	Roslyn, New York 11576, U.S.A., the power to insert	in this Assignment any further identification which may be U.S. Patent and Trademark Office for recordation of this	
names and signatures of inventors	Name: Rainer SCHARP Date:	Name: Gerhard BERR Date:	
,	Name: Sascha-Oliver BOCZEK Date:	Name: Reiner MUELLER Date: 19.08.11	

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RECORDED: 12/19/2014