

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PAULO JOSE DA ROCHA MORDENTE	02/14/2014
ROBERT R. BANFIELD	02/14/2014
JOSE V. SARABANDA	02/14/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MAHLE METAL LEVE S/A
<b>Street Address:</b>	RODOVIA ANHANGUERA
<b>Internal Address:</b>	SENTIDO INTERIOR - CAPITAL
<b>City:</b>	JUNDAI
<b>State/Country:</b>	BRAZIL
<b>Postal Code:</b>	13214-970
<b>Name:</b>	MAHLE INTERNATIONAL GMBH
<b>Street Address:</b>	PRAGSTRASSE 26-46
<b>City:</b>	STUTTGART
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	70376
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14123002
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
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<b>ATTORNEY DOCKET NUMBER:</b>	67427-0004
<b>NAME OF SUBMITTER:</b>	MICHAEL B. STEWART

PATENT

<b>SIGNATURE:</b>	/MICHAEL B. STEWART/
<b>DATE SIGNED:</b>	05/23/2014
<b>Total Attachments: 6</b> source=R1233167#page1.tif source=R1233167#page2.tif source=R1233167#page3.tif source=R1233167#page4.tif source=R1233167#page5.tif source=R1233167#page6.tif	

## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made on the dates indicated below, by Paulo Jose Da Rocha Mordente; Robert R. Banfield; and Jose V. Sarabanda (hereinafter referred to as Assignors), residing at Rua Capitao Curado No. 823 - Vila Progresso, 13202-271 Jundiai, BRAZIL; Rua Jose Renato Pantoja, 89, Jd. Lar, 05639-000 Sao Paulo, BRAZIL; and Rua Prof. Alfredo Aschar, 79, Sao Paulo, BRAZIL, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in ELEMENT COMPRISING AT LEAST ONE SLIDING SURFACE HAVING A COATING FOR USE IN AN INTERNAL COMBUSTION ENGINE OR A COMPRESSOR, set forth in a Patent application for which an International Application was filed on May 28, 2012, PCT/BR2012/000160, designating the United States; and

**WHEREAS**, Mahle Metal Leve S/A, having its principal place of business at Rodovia Anhanguera, Sentido Interior – Capital, Km 49,7, Jundai, 13214-970, Brazil and 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.

02/14/2014  
Date

Paulo Jose Da Rocha Mordente  
Paulo Jose Da Rocha Mordente

Witness:  
02/14/2014  
Date

MAURICIO LUIZ BATISTA

02/14/2014  
Date

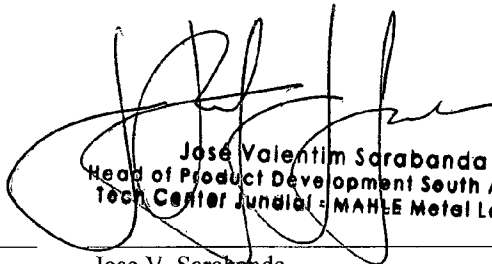
Robert R. Banfield  
Robert R. Banfield

Witness:  
02/14/2014  
Date

MARCUS WIZ BOSTIS

02/14/2014

Date



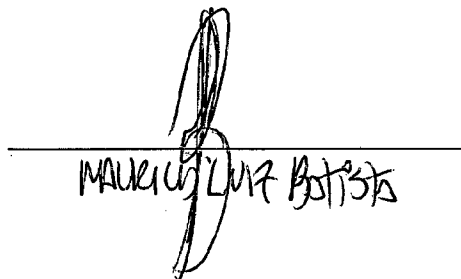
Jose Valentin Sarabanda  
Head of Product Development South America  
Tech Center Jundiai - MAHLE Metal Leve S.A

Jose V. Sarabanda

Witness:

02/14/2014

Date



MAURICIO LUIZ BATISTA

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