PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| SEBASTIAN BRESINSKI | 05/06/2014 |
| MARKUS KELLNER | 05/06/2014 |
| JENS PICARD | 05/20/2014 |

RECEIVING PARTY DATA

| Name: | FEDERAL-MOGUL BURSCHEID GMBH | |
|-----------------|-----------------------------------|--|
| Street Address: | BUERGERMEISTER-SCHMIDT-STRASSE 17 | |
| City: | BURSCHEID | |
| State/Country: | GERMANY | |
| Postal Code: | 51399 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14361956 |

CORRESPONDENCE DATA

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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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| ATTORNEY DOCKET NUMBER: | F11289 |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | C. BRUCE HAMBURG |
| SIGNATURE: | /C. BRUCE HAMBURG/ |
| DATE SIGNED: | 05/30/2014 |

Total Attachments: 2

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PATENT 502831478 REEL: 032998 FRAME: 0819

ASSIGNMENT

For value received, I, Sebastian BRESINSKI, an individual, residing at Julius-Haas-Weg 16, 40764 Langenfeld, Germany; I, Markus KELLNER, an individual, residing at Gezelinallee 104, 51375 Leverkusen, Germany; I, Jens PICARD, an individual, residing at Kuchhausen 66, 42329 Wuppertal, Germany, hereinaster assignors, hereby sell(s), assign(s) and transfer(s) to FEDERAL-MOGUL BURSCHEID GMBH, a corporation existing under the laws of Germany, located at Buergermeister-Schmidt-Strasse 17, 51399 Burscheid, Germany, hereinafter assignee, and said assignee's successors, assigns, and legal representatives its entire right, title, and interest, for all countries including the United States of America, in and to certain inventions relating to METHOD AND DEVICE FOR MEASURING THE LIGHT GAP TIGHTNESS OF PISTON RINGS which corresponds to Patent Cooperation Treaty International Application No. PCT/DE2012/001171 filed December 6, 2012 of which the hereinafter identified application, to which this assignment applies, is entry into the U.S. National Stage, namely, application for Letters Patent of the United States, executed by said assignors respectively concurrently herewith, and all patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, and authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all patents on said inventions or resulting therefrom to said assignee as assignee of the entire interest, and covenant that said assignors have full right so to do, and agree(s) that said assignors will communicate to said assignee or said assignee's representatives any facts known to said assignors

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PATENT REEL: 032998 FRAME: 0820 respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said assignee, and said assignee's successors, assigns, and nominees, to obtain and enforce proper protection for said invention in the United States.

Signature

Sebastian BRESIN

Date 6.5.2014

Signature.

YA , Y (X) (Z) ^ (Markus KELLNER Date 6.5.2014

Signature

Jens PICARD

Date 20.05.2019