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PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | | NEW ASSIGNMENT | |
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| NATURE OF CONVEYANCE: | | ASSIGNMENT | |
| CONVEYING PARTY | DATA | 7 | |
| N | | Name Execution Date | |
| DR. PETER KREUTI | R | 01/22/2014 | |
| RECEIVING PARTY I | DATA | | |
| Name: | МЕТА МОТО | REN- UND ENERGIE-TECHNIK GMBH | |
| Street Address: | KAISERSTRASSE 100 | | |
| City: | HERZOGENE | HERZOGENRATH | |
| State/Country: | GERMANY | | |
| Postal Code: | 52134 | | |
| Property Type Application Number: 14 | | Number 14240025 | |
| FF | | | |
| CORRESPONDENCE | E DATA | | |
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| Fax Number: Phone: Email: Correspondence will: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET | (202 2024 mail be sent via US Ma : J-TE 601 SUIT WAS | 2)747-2888 24348344 I@jtek-law.com Sail when the email attempt is unsuccessful. EK LAW PLLC PENNSYLVANIA AVENUE, NW ITE 900, SOUTH BUILDING SHINGTON, DISTRICT OF COLUMBIA 20004 MET006-00431 JEFFREY D. TEKANIC | |

PATENT REEL: 032261 FRAME: 0141

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Total Attachments: 2

ASSIGNMENT FOR US PATENT APPLICATION

WHEREAS, the undersigned inventor(s), Dr.-Ing. Peter Kreuter, of Josef-Ponten-Str. 38, 52072 Aachen, Germany (hereinafter referred to as "the Assignor(s)"), has/have invented certain new and useful improvements in "METHOD FOR OPERATING A RECIPROCATING PISTON INTERNAL COMBUSTION ENGINE WITH INTERNAL EXHAUST GAS ENERGY RECUPERATION AND RECIPROCATING PISTON INTERNAL COMBUSTION ENGINE", for which a US national stage application will be or has been filed claiming priority to PCT Application No. PCT/EP2012/003511 filed on August 17, 2012; and

WHEREAS, META Motoren- und Energie-Technik GmbH, a limited liability company organized under the laws of the Federal Republic of Germany and having a principal place of business at Kaiserstrasse 100, 52134 Herzogenrath, Germany (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title and interest of the Assignor(s) in and to said improvements, the entire right, title and interest of the Assignor(s) in and to any US patent application(s) based on said improvements, and in and to any Patent(s) of the United States, to be obtained therefor and thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor(s) has/have sold, assigned, transferred, and set over, do hereby sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest of the Assignor(s) in and to the above-mentioned improvements, the entire right, title and interest of the Assignor(s) in and to any US patent applications and any and all Patent of the United States of America that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, continuations, and continuations-in-part of said applications, and reissues and extensions of said Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor(s) had this sale and assignment not been made;

AND for the same consideration, the Assignor(s) hereby covenant(s) to and agree(s) with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of this assignment, the Assignor(s) is/are the sole and lawful owner(s) of the entire right, title, and interest in and to the improvements set forth in said abovementioned application, and that the same right, title, and interest are unencumbered, and that the Assignor(s) has/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, the Assignor(s) hereby covenant(s) to and agree(s) with the Assignee, its successors, legal representatives, and assigns that the Assignor(s) will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said improvements or said applications for Patents, or any proceeding in connection with Patents for said improvements

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in the United States of America, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Patents, or any reissue or extension of any Patents to be obtained thereon, is lawful and desirable, 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 Patents for said improvements, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor(s) hereby request(s) the Commissioner of Patents and Trademarks to issue any and all said Patent(s) of the United States to the Assignee as the Assignee of said improvements, the Patent(s) to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 27 1, 204 Name of Assignor: Plant Porter Kreuter