

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4109794

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| DIRK REICHERT | 10/17/2016 |
| ILIR PILURI | 10/17/2016 |
| DANIEL KUEGEL | 10/17/2016 |
| RECEIVING PARTY DATA | |
| Name: | JOHNSON MATTHEY CATALYSTS (GERMANY) GMBH |
| Street Address: | BAHNHOFSTRASSE 43 |
| City: | REDWITZ |
| State/Country: | GERMANY |
| Postal Code: | 96257 |
| PROPERTY NUMBERS Total: 2 | |
| Property Type | Number |
| Application Number: | 61950941 |
| Application Number: | 14643282 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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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| Correspondent Name: | JOHNSON MATTHEY INC. |
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| Address Line 2: | SUITE 600 |
| Address Line 4: | WAYNE, PENNSYLVANIA 19087 |
| ATTORNEY DOCKET NUMBER: | 70253US |
| NAME OF SUBMITTER: | WENDY RECZEK |
| SIGNATURE: | /Wendy Reczek/ |
| DATE SIGNED: | 10/24/2016 |
| Total Attachments: 2 | |
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| source=70253Assign#page2.tif | |

ASSIGNMENT

This Assignment is made this 17th day of October 2016.

BETWEEN

Dirk REICHERT, a German Citizen of Johnson Matthey Catalysts (Germany) GmbH, Bahnhofstrasse 43, Redwitz, DE, D-96257; and

Ilir PILURI, a German Citizen of Weddigenstr. 12, München, DE, 81737; and

Daniel KUEGEL, a German citizen of Johnson Matthey Catalysts (Germany) GmbH, Bahnhofstrasse 43, Redwitz, DE, D-96257;

(each an "Inventor" and together "the Inventors")

AND

JOHNSON MATTHEY CATALYSTS (GERMANY) GMBH, a limited liability company incorporated in Germany, registered in the commercial register of the Local Court (Amtsgericht) of Coburg under register number HRB 3723 with registered office at Bahnhofstraße 43, 96257 Redwitz ("JM").

WHEREAS:

- (A) The Inventors have made an invention ("the Invention"), which is described in the patent specification entitled "**Compact Selective Catalytic Reduction System for Nitrogen Oxide Reduction in the Oxygen-Rich Exhaust of 500 to 4500 kW Internal Combustion Engines**" as listed below:

| <u>Country</u> | <u>Application No.</u> | <u>Filing Date</u> |
|--------------------|------------------------|--------------------|
| United States (US) | 61/950,941 | 11 March 2014 |
| United States (US) | 14/643,282 | 10 March 2015 |
| International (WO) | PCT/GB2015/050692 | 10 March 2015 |
| Germany (DE) | 10 2015 204 294.4 | 10 March 2015 |

- (B) By virtue of the Inventors' employment within the JM Group, the Invention and the Application are the property of JM.
- (C) This assignment is effective as of 11 March 2014.

NOW IT IS HEREBY AGREED AS FOLLOWS

- I. In consideration of their employment within the JM Group, the Inventors hereby assign to JM with full title guarantee:-
- (i) their legal title in and to the Invention;
 - (ii) their legal title in and to the Application;
 - (iii) the right to make further applications for Letters Patent or other form of protection for the Invention in any and all countries;
 - (iv) the right to claim priority for such applications from the Application; and

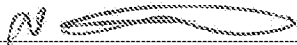
- (v) the right to any and all Letters Patent or other forms of protection which may be granted in respect of the Invention.

together with the sole and exclusive benefit thereof and all rights, privileges and advantages whatsoever appertaining thereto (as far as the same would but for this assignment arise or accrue to the benefit of the Inventors).


2. The Inventors covenant and agree to sign all papers and drawings, take all rightful oaths and do all acts necessary or required by JM to be done for the procurement of Letters Patent or other form of protection for the Invention and for further vesting or confirming the legal title thereof in JM without charge to JM but at its expense.
3. This Assignment is governed by and shall be interpreted according to the laws of Germany.

IN WITNESS of which this Assignment has been executed under hand the day and year first before written.

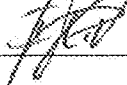
SIGNED by Dirk REICHERT




in the presence of:



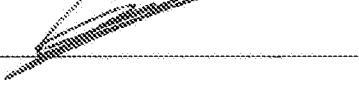
SIGNED by Bip SILURI



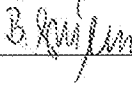
in the presence of:




SIGNED by Daniel KUEGEL



in the presence of:




SIGNED for and on behalf of Johnson Matthey Catalysts (Germany) GmbH

By: 

Name: Dr. Michael Gula
Title: General Manager

in the presence of:



Herbert Drechsel
General Manager