

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>PHILIP BLAKEMAN</td> <td>01/07/2013</td> </tr> <tr> <td>GAVIN MICHAEL BROWN</td> <td>01/07/2013</td> </tr> <tr> <td>SOUGATO CHATTERJEE</td> <td>01/07/2013</td> </tr> <tr> <td>ANDREW FRANCIS CHIFFEY</td> <td>01/07/2013</td> </tr> <tr> <td>JANE GAST</td> <td>01/07/2013</td> </tr> <tr> <td>PAUL RICHARD PHILLIPS</td> <td>01/07/2013</td> </tr> <tr> <td>RAJ RAO RAJARAM</td> <td>01/07/2013</td> </tr> <tr> <td>ANDREW PETER WALKER</td> <td>01/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	PHILIP BLAKEMAN	01/07/2013	GAVIN MICHAEL BROWN	01/07/2013	SOUGATO CHATTERJEE	01/07/2013	ANDREW FRANCIS CHIFFEY	01/07/2013	JANE GAST	01/07/2013	PAUL RICHARD PHILLIPS	01/07/2013	RAJ RAO RAJARAM	01/07/2013	ANDREW PETER WALKER	01/07/2013
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<table border="1"> <tr> <td>Name:</td> <td>JOHNSON MATTHEY PLC</td> </tr> <tr> <td>Street Address:</td> <td>5TH FLOOR</td> </tr> <tr> <td>Internal Address:</td> <td>25 FARRINGDON STREET</td> </tr> <tr> <td>City:</td> <td>LONDON</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>EC4A 4AB</td> </tr> </table>		Name:	JOHNSON MATTHEY PLC	Street Address:	5TH FLOOR	Internal Address:	25 FARRINGDON STREET	City:	LONDON	State/Country:	UNITED KINGDOM	Postal Code:	EC4A 4AB						
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PROPERTY NUMBERS Total: 1																			
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CORRESPONDENCE DATA																			
Fax Number:	6109713022																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	610-971-3000																		
Email:	johnsonmattheyip@matthey.com																		
Correspondent Name:	JOHNSON MATTHEY INC.																		
Address Line 1:	435 DEVON PARK DRIVE																		
Address Line 2:	SUITE 600																		

CH \$40.00 13645891

Address Line 4: WAYNE, PENNSYLVANIA 19087	
ATTORNEY DOCKET NUMBER:	ROY/70064US1/ST
NAME OF SUBMITTER:	JIMMIE D. JOHNSON, JR.
Signature:	/Jimmie D. Johnson, Jr./
Date:	04/03/2013
Total Attachments: 7 source=70064US1_Executed_Assignment_PLC#page1.tif source=70064US1_Executed_Assignment_PLC#page2.tif source=70064US1_Executed_Assignment_PLC#page3.tif source=70064US1_Executed_Assignment_PLC#page4.tif source=70064US1_Executed_Assignment_PLC#page5.tif source=70064US1_Executed_Assignment_PLC#page6.tif source=70064US1_Executed_Assignment_PLC#page7.tif	

ASSIGNMENT

This Assignment is made the 7th day of January 2013

BETWEEN

Philip Blakeman, a British Citizen, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Gavin Michael Brown, a British Citizen, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Sougato Chatterjee, a Citizen of the United States of America, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Andrew Francis Chiffey, a British Citizen, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Jane Gast, a Citizen of the United States of America, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Paul Richard Phillips, a British Citizen, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Raj Rao Rajaram, a Citizen of Mauritius, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

Andrew Peter Walker, a British Citizen, c/o 5th Floor, 25 Farringdon Street, London, EC4A 4AB, United Kingdom;

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

AND

JOHNSON MATTHEY PLC, a company incorporated in England and Wales with company number 33774, the registered office of which is at 5th Floor, 25 Farringdon Street, London EC4A 4AB, United Kingdom ("JM").

WHEREAS:

- (A) The Inventors have made an invention ("the Invention"), which is described in the patent specifications entitled "OXIDATION CATALYST FOR INTERNAL COMBUSTION ENGINE EXHAUST GAS TREATMENT" listed below ("the Applications").

Country	Application Number	Filing Date
Germany (DE)	102012218254.3	5 October 2012
United Kingdom (GB)	1217884.4	5 October 2012
United States of America (US)	13/645,891	5 October 2012
International (WO)	PCT/GB2012/052482	5 October 2012

- (B) By virtue of the Inventors' employment within the JM Group, the Invention and the Applications are the property of JM.

NOW IT IS HEREBY AGREED AS FOLLOWS

1. 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 Applications;
 - (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 further applications for Letters Patent or other form of protection for the Invention from the Applications; and
 - (iv) the right to any and all Letters Patent or other forms of protection which may be granted in respect of the Invention in any and all countries.

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 England and Wales.

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

SIGNED by the said Philip Blakeman

P Blakeman

in the presence of :

[Signature]

SIGNED by the said Gavin Michael Brown

in the presence of :

SIGNED by the said Sougato Chatterjee

in the presence of :

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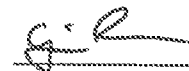
SIGNED by the said Philip Blakeman

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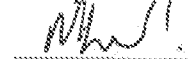
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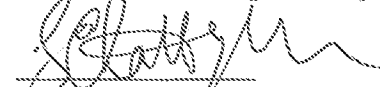
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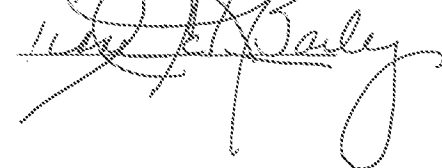
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in the presence of :

SIGNED by the said Sougato Chatterjee



in the presence of :



SIGNED by the said Andrew Francis Chiffley

Andrew Chiffley

in the presence of :

Boyeal

SIGNED by the said Jane Gast

in the presence of :

SIGNED by the said Paul Richard Phillips

Paul Phillips

in the presence of :

B. Arin

SIGNED by the said Raj Rao Rajaram

in the presence of :

SIGNED by the said Andrew Peter Walker

Andrew Walker

in the presence of :

John Taylor

SIGNED for and on behalf of the said JOHNSON MATTHEY PLC

by S. M. M. M.

in the presence of:

W. A. Oakley

SIGNED by the said Andrew Francis Chiffey

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in the presence of :

.....

SIGNED by the said Jane Gast

Jane Gast

in the presence of :

Richard Joergway

SIGNED by the said Paul Richard Phillips

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by *S. Stein*

in the presence of:

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in the presence of :
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in the presence of :
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SIGNED by the said Paul Richard Phillips

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in the presence of :
.....

SIGNED by the said Raj Rao Rajaram

RR Rajaram
in the presence of :
[Signature]

SIGNED by the said Andrew Peter Walker

.....
in the presence of :
.....

SIGNED for and on behalf of the said JOHNSON MATTHEY PLC

by Simon Turbell (SIMON TURBELL)
.....

in the presence of:

W.A. Oakey