

07-21-2006

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103279850

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

- 1) Claus Friedrich Goersmann
- 2) Paul Richard Phillips
- 3) Philip Gerald Blakeman
- 4) Guy Richard Chandler

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO**3. Nature of Conveyance:**
 Execution Date(s) 1) 06/09/2006  
2) 06/19/2006  
3) 06/19/2006  
4) 06/09/2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Correction of Assignment Recordation  
 (previously recorded at Reel \_\_\_\_, Frame \_\_\_\_).  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies):**Name: Johnson Matthey Public LimitedCompany

Internal Address: \_\_\_\_\_

Street Address: 40-42 Hatton GardenCity: London

State: \_\_\_\_\_

Zip: EC1N 8EECountry: United KingdomAdditional name(s) & address(es) attached? ☐ YES ☒ NO**4. Application or patent number(s):** ☐ This document is being filed together with a new application.A. Patent Application Number(s) 10/547,916

B. Patent Number(s) \_\_\_\_\_

Additional number(s) attached? ☐ YES ☒ NO**5. Name and address of party to whom correspondence concerning document should be mailed:**Name: Christopher R. LewisInternal Address: RatnerPrestiaStreet Address: Suite 301, One Westlakes, Berwyn  
P.O. Box 980City: BerwynState: PA Zip: 19482-0980Phone Number: (610) 407-0700Fax Number: (610) 407-0701Email Address: crlewis@ratnerprestia.com**6. Total number of applications and patents involved:** 1**7. Total fee (37 CFR 1.21(h) & 3.41):** \$ 40.00

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**a. Credit Card - Last 4 Numbers 31004Expiration Date 03-2010

b. Deposit Account Number \_\_\_\_\_

Authorized User Name \_\_\_\_\_

**9. Signature:**

Signature

July 6, 2006

Date

Christopher R. Lewis

Name of Person Signing

36,201

Registration No.

Total number of pages including cover sheet, attachments and documents: 3
 Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

**PATENT**  
**REEL: 018066 FRAME: 0467**

**ASSIGNMENT - Patent Application**Docket Number: **JMYT-350US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. <b>Claus Friedrich Goersmann</b>	2. <b>Paul Richard Phillips</b>
	3. <b>Philip Gerald Blakeman</b>	4. <b>Guy Richard Chandler</b>
	5.	6.

made an invention entitled: **EXHAUST SYSTEM FOR LEAN BURN IC ENGINE INCLUDING PARTICULATE FILTER AND NO<sub>x</sub> ABSORBENT**

for which an application for Letters Patent of the United States:

(Select one of the following):

- ☐ is executed concurrently herewith
- ☒ was filed in the U.S. Patent and Trademark Office on September 8, 2005,  
as U.S. Patent Application Serial No.: 10/547,916

ASSIGNEE  
(Full Name and Address)**Johnson Matthey Public Limited Company**  
**40-42 Hatton Garden**  
**London EC1N 8EE**  
**United Kingdom**

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns, the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.

If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

## ASSIGNMENT - Patent Application

Docket Number: **JMYT-350US**

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name

Signature

Date \_\_\_\_\_

**1. Claus Friedrich Goersmann**

Claus Bismann

09.06.2006

G. R. Chandler

09.06.2006

\* Witness to Assignor #1

## 2. Paul Richard Phillips

Witness to Assi

19/6/06

*Fergal*

1916106

\* Witness to Assignor #2

### 3. Philip Gerald Blakeman

P. Blahynan

19.6.06

Hen Lee

19.6.66

\* Witness to Assignor #3

#### 4. Guy Richard Chandler

G R Chandel

09.06.2006

in the

09 06 2006

\* Witness to Assignor #4

5.

\* Witness to Assignor #5

6.

\* Witness to Assignor #6

Application for United States Letters Patent:

Serial No.: 10/547,916

Filed:

Attorney Docket Number: **JMYT-350US**

Total Number of Assignment Pages **2**

\* Witness signature recommended, mandatory for some countries