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Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

103284951

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):

Peter Edward James Abbott
Mark McKennaAdditional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

Execution Date(s) October 31, 2005

- ☒ 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 PLC

Internal Address: _____

Street Address: 40-42 Hatton GardenCity: London

State: _____

Zip: EC1N 8EECountry: United KingdomAdditional name(s) & address(es) attached? ☐ YES ☒ NO4. Application or patent number(s): ☐ This document is being filed together with a new application.A. Patent Application Number(s) 10/555,369

B. Patent Number(s) _____

07/25/2006 MKAYPAGH 00000107 10555369

02 FC:8021

40.00 BP

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.com6. Total number of applications and patents involved: 17. 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 20, 2006

Date

Christopher R. Lewis

Name of Person Signing

36,201

Registration No.

Total number of pages including cover sheet, attachments and documents: 3Documents 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 22313-1450PATENT
REEL: 018095 FRAME: 0908

ASSIGNMENT - Patent Application

Docket Number: **JMYS-136US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. Peter Edward James Abbott	2. Mark McKenna
	3.	4.
	5.	6.

made an invention entitled: **PRODUCTION OF HYDROCARBONS BY STEAM REFORMING AND FISCHER-TROPSCH REACTION**

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 ____,
as U.S. Patent Application Serial No.:

ASSIGNEE
(Full Name and Address)

Johnson Matthey PLC
(a British bod corporate)
2-4 Cockspur Street, Trafalgar Square
London SW1Y 5BQ
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.

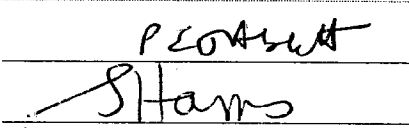
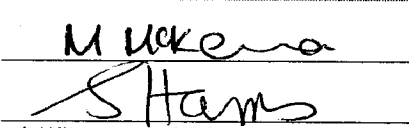
If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

ASSIGNMENT - Patent ApplicationDocket Number: **JMYS-136US**

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. Peter Edward James Abbott	 * Witness to Assignor #1	31st Oct 2005 31 Oct 2005
2. Mark McKenna	 * Witness to Assignor #2	31st October 2005 31st Oct 2005
3.	 * Witness to Assignor #3	
4.	 * Witness to Assignor #4	
5.	 * Witness to Assignor #5	
6.	 * Witness to Assignor #6	

SIGNATURE

Application for United States Letters Patent:

Serial No.: 10,555,369

Filed:

Attorney Docket Number: **JMYS-136US**Total Number of Assignment Pages **2**

* Witness signature recommended, mandatory for some countries