JC12 Rec'd PCT/PTC 2 5 APR-2005 JMYS-125US A | 9 581-40 Form PTO-1595 (Rev. 06/04) (AW 09/2004) Jnited States Patent and Trademark Office 09-27-2005 (Exp. 6/30/2005) 1 03089004 accoments or the new address(es) below. To the Director of the U.S. Patent and Trade...... 2. Name and address of receiving party(ies): 1. Name of conveying party(ies)/Execution Date(s): Johnson Matthey Public Limited Peter Edward James Abbott Company Internal Address: Execution Date(s) April 18, 2005 Street Address: 2-4 Cockspur Street Additional name(s) of conveying party(ies) attached? ☐ YES Ø NO Trafalgar Square 3. Nature of Conveyance: City: London State: Merger ☐ Security Agreement ☐ Change of Name Zip:______**SW1Y 5BQ** ☐ Government Interest Assignment Country: United Kingdom □ Executive Order 9424, Confirmatory License Correction of Assignment Recordation (previously recorded at Reel _____, Frame _____). Other _ Additional name(s) & address(es) attached? ☐ YES ☒ NO 4. Application or patent number(s): \(\times\) This document is being filed together with a new application. B. Patent Number(s) ____ A. Patent Application Number(s) _____ 5. Name and address of party to whom 6. Total number of applications and patents correspondence concerning document should be involved: mailed: 7. Total fee (37 CFR 1.21(h) & 3.41): \$ 40.00 Name: Christopher R. Lewis Internal Address: RatnerPrestia Authorized to be charged by credit card Authorized to be charged to deposit account Street Address: Suite 301, One Westlakes, Berwyn None required (government interest not affecting title) P.O. Box 980 8. Payment Information City: Berwyn

Name of Person Signing 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

36,201

Registration No.

Zip: 19482-0980

Signature

04/29/2005 LLANDGRA 00000096 10532616 04 FC:8021

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9. Signature:

a. Credit Card - Last 4 Numbers 31004

b. Deposit Account Number

Authorized User Name

Expiration Date

April 25, 2005

Date

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Total number of pages including cover

03-2006

ASSIGNN	JENT	- Patent Application	Do	cket Number: JMYS-125US					
Whereas, the Assignor, comprising the following named inventors:									
ASSIGNOR(s)/ INVENTOR(s)	Peter Edward James Abbott			2.					
	3.			4.					
	5.		6.						
made an invention entitled: <u>DESULPHURISATION</u>									
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 Public Limited Company (a British body 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.									

Page 1 of 2 Modified 2/6/03

ASSIGNMENT - Patent Application

RECORDED: 04/25/2005

Docket Number: JMYS-125US

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.

	A	Typed or Printed Name		Signature	Date		
	1.	Peter Edward James Abbo	ott _	PROMIT	18 HpH 2005		
				* Witness to Assignor #1	18 April 2005		
	2.						
			_	* Witness to Assignor #2			
	3.		-				
SIGNATURE	**************************************		_	* Witness to Assignor #3			
	4.		-				
		1	_	* Witness to Assignor #4			
	5.		-				
			_	* Witness to Assignor #5			
	6.		-				
			-	* Witness to Assignor #6			
Application for l	United	States Letters Patent:					
Serial No.:							
Filed:							
Attorney Docke	et Num	nber: JMYS-12	<u>5US</u>				
Total Number of Assignment Pages 2				* Witness signature recommended, mandatory for some countries			

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PATENT REEL: 017009 FRAME: 0785