

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Julia Margaret Rowe</td><td>12/22/2006</td></tr><tr><td>Jonathan David Brereton Sharman</td><td>12/11/2006</td></tr></tbody></table>	Name	Execution Date	Julia Margaret Rowe	12/22/2006	Jonathan David Brereton Sharman	12/11/2006					
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Julia Margaret Rowe	12/22/2006										
Jonathan David Brereton Sharman	12/11/2006										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Johnson Matthey Public Limited Company</td></tr><tr><td>Street Address:</td><td>40-42 Hatton Garden</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>EC1N 8EE</td></tr></table>	Name:	Johnson Matthey Public Limited Company	Street Address:	40-42 Hatton Garden	City:	London	State/Country:	UNITED KINGDOM	Postal Code:	EC1N 8EE	
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PROPERTY NUMBERS Total: 1											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11629809</td></tr></tbody></table>	Property Type	Number	Application Number:	11629809							
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Application Number:	11629809										
CORRESPONDENCE DATA											
Fax Number: (610)407-0701 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	JMYT-380US										
NAME OF SUBMITTER:	Christopher R. Lewis										
Total Attachments: 2 source=Assign_part_2#page1.tif source=Assign_part_2#page2.tif											

OP \$40.00 11629809

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PATENT
REEL: 021195 FRAME: 0684

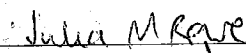
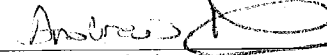
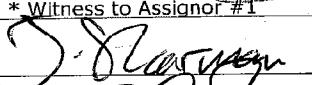
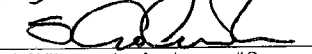
ASSIGNMENT - Patent Application		Docket Number: JMYT-380US
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Julia Margaret Rowe	2. Jonathan David Brereton Sharman
	3.	4.
	5.	6.
made, along with George Thomas Quayle, Julian Andrew Siodlak and Nigel Julian Walker , an invention entitled: <u>GAS DIFFUSION SUBSTRATE</u>		
for which an application for Letters Patent of the United States: <i>(Select one of the following):</i> <input checked="checked" type="checkbox"/> is executed concurrently herewith <input type="checkbox"/> 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) 40-42 Hatton Garden London EC1N 8EE United Kingdom	
is desirous of acquiring Assignor's 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, Assignor's 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 (as co-owner along with Technical Fibre Products Limited), 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: **JMYT-380US**

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. Julia Margaret Rowe		22/12/06
	 * Witness to Assignor #1	22/12/06
2. Jonathan David Brereton Sharman		11/12/06
	 * Witness to Assignor #2	11/12/06
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.: 11/629,809

Filed:

Attorney Docket Number: **JMYT-380US**Total Number of Assignment Pages **2**

* Witness signature recommended, mandatory for some countries