

PATENT ASSIGNMENT COVER SHEET

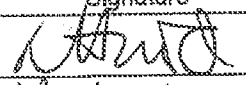
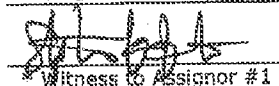
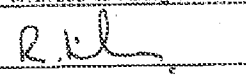
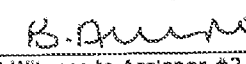
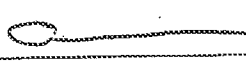
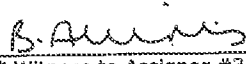
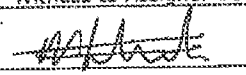
Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3307932

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| LOUISE CLARE ARNOLD | 12/16/2011 |
| ROBERT JAMES BRISLEY | 12/16/2011 |
| CHRISTOPHER GOUGH MORGAN | 12/19/2011 |
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| State/Country: | UNITED KINGDOM |
| Postal Code: | EC4A 4AB |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14564999 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | LINDA J. REMER |
| SIGNATURE: | /Linda J. Remer/ |
| DATE SIGNED: | 04/13/2015 |
| Total Attachments: 2 | |
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| ASSIGNMENT - Patent Application | | Docket Number: <u>WYN/1864USCIP/JDJ</u> |
| Whereas, the Assignor, comprising the following named inventors: | | |
| ASSIGNOR(s)/ INVENTOR(s) | 1. Louise Clare Arnold | 2. Robert James Brisley |
| | 3. Christopher Gough Morgan | 4. |
| | 5. | 6. |
| made an invention entitled: <u>METHOD AND SYSTEM USING A FILTER FOR TREATING EXHAUST GAS HAVING PARTICULATE MATTER</u> | | |
| for which an application for Letters Patent of the United States: (Select one of the following): | | |
| <input type="checkbox"/> is executed concurrently herewith <input checked="" type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>08/31/2011</u> as U.S. Patent Application Serial No.: <u>13/222,929</u> | | |
| ASSIGNEE (Full Name and Address) | Johnson Matthey Public Limited Company (a British body corporate) 5th Floor 25 Farringdon Street London EC4A 4AB United Kingdom | |
| is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor, | | |
| <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> | | |

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| ASSIGNMENT - Patent Application | Docket Number: <u>WYN/1864USCIP/JDJ</u> |
| <p>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.</p> <p>If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.</p> <p>In witness whereof, this Assignment is executed on the day indicated below.</p> | |

| Typed or Printed Name | Signature | Date |
|-----------------------------|---|----------------------------|
| 1. Louise Clare Arnold |  | <u>16/12/11</u> |
| |  * Witness to Assignor #1 | <u>16/12/11</u> |
| 2. Robert James Brisley |  | <u>16/12/11</u> |
| |  * Witness to Assignor #2 | <u>16/12/11</u> |
| 3. Christopher Gough Morgan |  | <u>19/12/11</u> |
| |  * Witness to Assignor #3 | <u>19.12.11</u> |
| 4. |  <u>can</u> | <u>19/12/11</u> <u>can</u> |
| | * Witness to Assignor #4 | |
| 5. | | |
| | * Witness to Assignor #5 | |
| 6. | | |
| | * Witness to Assignor #6 | |

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| Application for United States Letters Patent: | |
| Serial No.: | <u>13/222,929</u> |
| Filed: | <u>08/31/2011</u> |
| Attorney Docket Number: | <u>WYN/1864USCIP/JDJ</u> |
| Total Number of Assignment Pages <u>2</u> | * Witness signature recommended, mandatory for some countries |