

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT8016986

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CARLOS MANUEL PEREIRA DA FONTE	06/21/2021
GREGORY PAVLOS GREGORI	06/21/2021
NIGEL RAE JONES	06/21/2021
CHRIS MORGAN	06/21/2021
DANIEL CHARLES HOWARD OAKES	06/21/2021
TIMOTHY O'CONNELL	06/21/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	JOHNSON MATTHEY PUBLIC LIMITED COMPANY
<b>Street Address:</b>	5TH FLOOR, 25 FARRINGDON STREET
<b>City:</b>	LONDON
<b>State/Country:</b>	UNITED KINGDOM
<b>Postal Code:</b>	EC4A 4AB
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	18156525
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	JohnsonMattheyIP@matthey.com
<b>Correspondent Name:</b>	YUAN HAN
<b>Address Line 1:</b>	435 DEVON PARK DRIVE
<b>Address Line 4:</b>	WAYNE, PENNSYLVANIA 19087
<b>ATTORNEY DOCKET NUMBER:</b>	P100824US03
<b>NAME OF SUBMITTER:</b>	KELLY FIRMAGER
<b>SIGNATURE:</b>	/Kelly Firmager/
<b>DATE SIGNED:</b>	06/21/2023
<b>Total Attachments: 8</b>	
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ASSIGNMENT AGREEMENT

AR

THIS DEED OF ASSIGNMENT is dated 21<sup>ST</sup> JUNE 2021 and made 2020

BETWEEN

Carlos Manuel Pereira da FONTE, a Portuguese Citizen of c/o Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Gregory Pavlos GREGORI, a British Citizen of c/o Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Nigel Rae JONES, a British Citizen of c/o Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Chris MORGAN, a British Citizen of c/o Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Daniel Charles Howard OAKES, a British Citizen of c/o Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Timothy O'CONNELL, a British Citizen of c/o Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

(each an "Inventor" and together the "Inventors"); and

JOHNSON MATTHEY PUBLIC LIMITED COMPANY, a company incorporated in England and Wales (registered number 00033774) having its registered office at 5th Floor 25 Farringdon Street, London, EC4A 4AB, United Kingdom ("JM").

RECITALS

(a) The Inventors have made an invention (the "Invention"), which is described in the patent specification entitled "EXHAUST GAS JOULE HEATER" filed with Application No. 63/002,396 made to the United States Patent & Trademark Office on 31<sup>st</sup> March 2020 (the "Application").

(b) The Inventors have agreed to assign their legal rights in and to the Invention and Application to JM on the terms set out in this Deed.

WHEREAS it is hereby agreed as follows:

1. Assignment

1.1 The Inventors hereby assign to JM, all their legal right, title and interest in and to the Invention and Application, including:

- 1.1.1 the right to claim priority from such Application, and file for further patent applications in any territory of the world in respect of the Invention (the "Patent Applications");
- 1.1.2 the right to prosecute the Patent Applications and to obtain grant of patent or similar protection in or in respect of any country or territory in the world (each a "Patent");
- 1.1.3 the legal entitlement to any Patents granted pursuant to any Patent Applications comprised in the Patents or filed as aforesaid; and

P100824US01

- 1.1.4 the right to bring, make, oppose, defend, appeal proceedings, claims or actions and obtain relief (and to retain any damages recovered) in respect of any infringement, or any other cause of action arising from ownership, of any of the Patents or any Patents granted on any of the Patent Applications in the Patents or filed as aforesaid, whether occurring before on or after the date of this Deed.

## 2. Further Assurance

- 2.1 At JM's expense the Inventors shall promptly execute and deliver all such documents and do all such things as are necessary, required or requested by JM for the procurement of any Patent Applications, Patents or other form of protection anywhere in the world for the Invention, or as are otherwise required to give full effect to this Deed and the transaction intended to be effected pursuant to it, including:
  - 2.1.1 the registration of JM as applicant for, or proprietor of, any Patents; and
  - 2.1.2 assisting JM in obtaining, defending and enforcing any Patents, and assisting with any other proceedings which may be brought by or against JM against or by any third party relating to the rights assigned by this Deed.

## 3. No Further Compensation

Without prejudice to s.40 Patents Act 1977 or any similar provisions of law in any jurisdiction in favour of the Inventors, the inventors acknowledge and agree that no further fees or compensation other than that already provided for pursuant to the Inventors' employment in the JM group are due or may become due to the Inventor under or in connection with this Deed.

## 4. Severance

If any provision or part-provision of this Deed is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of this Deed.

## 5. Counterparts

This Deed may be executed in any number of counterparts and by the parties hereto in separate counterparts, each of which when so executed shall be deemed to be an original and all of which taken together shall constitute one and the same agreement.

## 6. Governing Law and Jurisdiction

- 6.1 This Deed and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the law of England and Wales.
- 6.2 Each party irrevocably agrees that the courts of England and Wales shall have exclusive jurisdiction to settle any dispute or claim that arises out of or in connection with this Deed or its subject matter or formation (including non-contractual disputes or claims).

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This document has been executed as a deed and is delivered and takes effect on the date stated at the beginning of it.

Executed as a deed by: Carlos Manuel Pereira da FONTE

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Carlos Manuel Pereira da Fonte

In the presence of:

(signature)

[Handwritten Signature]

(signature of witness)

Name: JAMES THOMAS WHELAN

Address: 234 WEST STREET  
LU 6 1PA DUNSTABLE

Occupation: OPERATIONS MANAGER

Executed as a deed by: Gregory Pavlos GREGORI

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In the presence of:

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(signature of witness)

Name:

Address:

Occupation:

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This document has been executed as a deed and is delivered and takes effect on the date stated at the beginning of it.

Executed as a deed by: Carlos Manuel Pereira da FONTE )  
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in the presence of:

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(signature of witness)

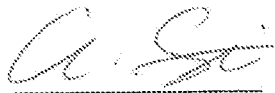
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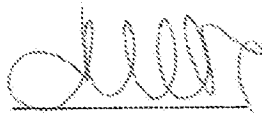
Address:

Occupation:

Executed as a deed by: Gregory Pavlos GREGORI )  
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)

in the presence of:

  
\_\_\_\_\_  
(signature)

  
\_\_\_\_\_  
(signature of witness)

Name: CELSINA RODRIGUEZ GONZALEZ

Address: 59 NORTHAMPTON PARK NI2 9P

Occupation: WIFE

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Executed as a deed by: Nigel Rae JONES

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)

in the presence of:

N.R. Jones  
(signature)

[Signature]  
(signature of witness)

Name: GORDON SWANN

Address: 1A MILL LANE  
BARZINGTON  
CAMBRIDGE CB22 7G4

Occupation:

QC ANALYST

Executed as a deed by: Chris MORGAN

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in the presence of:

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(signature of witness)

Name:

Address:

Occupation:

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Executed as a deed by: Nigel Rae JONES

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in the presence of:

\_\_\_\_\_  
(signature)

\_\_\_\_\_  
(signature of witness)

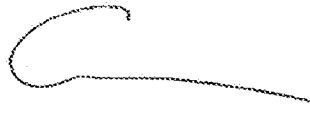
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Address:

Occupation:

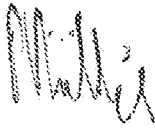
Executed as a deed by: Chris MORGAN

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)



in the presence of:

\_\_\_\_\_  
(signature)



\_\_\_\_\_  
(signature of witness)

Name:

ADRIEL PHILLIPS

Address:

4 FORTUNE WAY  
BASSINGBOURN, ROXTON, HERTS, SG8 5YR

Occupation:

DEVELOPMENT DIRECTOR

)  
)



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Executed as a deed by: Daniel Charles Howard OAKES )

*D. Oakes*

(signature)

in the presence of:

*[Signature]*

(signature of witness)

Name: *Rui Li*

Address: *WESTSTAND APARTMENTS, HIGHBURY STADIUM SQUARE  
LONDON. N5 1EQ.*

Occupation:

*DEV CHEMIST*

Executed as a deed by Timothy O'CONNELL: )

*[Signature]*

in the presence of:

(signature)

*G.R. Chandler*

(signature of witness)

Name: *GUY RICHARD CHANDLER*

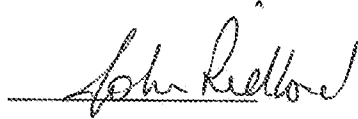
Address: *48 Harlton Road  
Little Eversden  
Cambridge CB23 1HB*

Occupation:

*Dev Chemist*

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Executed as a deed by JOHNSON MATTHEY  
PUBLIC LIMITED COMPANY acting by ~~name~~:  
JOHN RIDLAND



By Power of Attorney

in the presence of:



(signature of witness)

Name: ANDREA RIDLAND

Address: DURHAM UK

Occupation: AREA BUSINESS  
MANAGER.