

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7169749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZUHARIA ARSHAD	07/29/2020
KANESHALINGAM ARULRAJ	07/29/2020
GUY CHANDLER	07/29/2020
RAINER LEPELT	07/29/2020
ANDREW NEWMAN	07/29/2020
PAUL PHILLIPS	07/29/2020
OLIVER ROWE	07/29/2020
CHRISTOPHER SMITH	07/29/2020
NICHOLAS SPENCER	07/29/2020
ISABEL TINGAY	07/29/2020
ROBERT WALKER	07/29/2020

RECEIVING PARTY DATA

Name:	JOHNSON MATTHEY PUBLIC LIMITED COMPANY
Street Address:	25 FARRINGDON STREET
Internal Address:	5TH FLOOR
City:	LONDON
State/Country:	UNITED KINGDOM
Postal Code:	EC4A 4AB

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	62815701
Application Number:	62906233
Application Number:	62968499
Application Number:	16811819

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 6109713092

Email: johnsonmattheyip@matthey.com
Correspondent Name: DANA KOLESAR C/O JOHNSON MATTHEY
Address Line 1: 435 DEVON PARK DRIVE, SUITE 600
Address Line 4: WAYNE, PENNSYLVANIA 19087

ATTORNEY DOCKET NUMBER: P100479US01,US02,US03,US4

NAME OF SUBMITTER: JUDITH MORGAN

SIGNATURE: /Judith Morgan/

DATE SIGNED: 02/10/2022

Total Attachments: 12

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ASSIGNMENT AGREEMENT

THIS DEED OF ASSIGNMENT is dated 29th July 2020 and made

BETWEEN

Zuharia ARSHAD , a Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Kaneshalingam ARULRAJ, a British Citizen of Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Guy CHANDLER, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Rainer LEPELT, a German Citizen of Bahnhofstrasse 31, 96257 Redwitz, Germany;

Andrew NEWMAN, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Paul PHILLIPS, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Oliver ROWE, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Christopher SMITH, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Nicholas SPENCER, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Isabel TINGAY, a British Citizen of Johnson Matthey, Orchard Road, Royston, SG8 5HE, United Kingdom;

Robert WALKER, a Scottish Citizen of 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 "Vanadium SCR Catalysts" filed with Application No 62/815,701 ; Application No : 62/906,233 and Application No : 62/968,499 made to the United States Patent Office on the dates 8 March 2019; 26 September 2019 and 31 January 2020 (the "Application").

(b) The Inventors have agreed to assign the 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 assigns 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
 - 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 Inventor[s] 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 Inventor[s], the Inventors acknowledges and agrees that no further fees or compensation other than that already provided for pursuant to the Inventor's 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

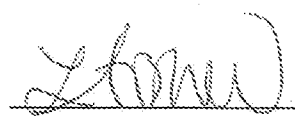
6.1 This Deed and any dispute or claim arising out of or in connection with it or its subject matter or formation (including non-contractual disputes or claims) shall be governed by and construed in accordance with the law of England and Wales.

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).

P100479

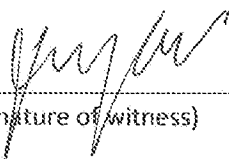
This document has been executed as a deed and is delivered and takes effect on the date stated at the beginning of it.

Executed as a deed by: Zuharia ARSHAD:

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)
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(signature)

In the presence of:



(signature of witness)

Name: *Yana Shakespeare*
Address: *22A Margravine gardens*
London
W68RH
Occupation:
PhD Student

Executed as a deed by: Arulraj KANESHALINGAM:

)
)
)
)

(signature)

In the presence of:

(signature of witness)

Name:
Address:
Occupation:

P100479

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: Zuharia ARSHAD:

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(signature)

In the presence of:

(signature of witness)

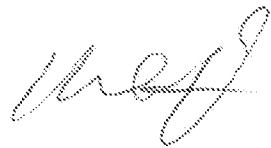
Name:

Address:

Occupation:

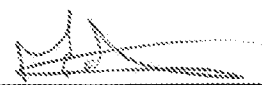
Executed as a deed by: Arulraj KANESHALINGAM:

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(signature)

In the presence of:



(signature of witness)

Name: Rebecca Maksymowicz

Address: 7 Yurley
Letchworth
SG6 2SR

Occupation: NPI Chemist

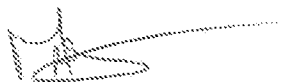
P100479

Executed as a deed by: Guy CHANDLER:

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G. R. Chandler
(signature)

In the presence of:



(signature of witness)

Name: Rebecca Malgoumiz

Address: 7 Yardley
Lechworth
SG6 2SR

Occupation: N/A chemist

Executed as a deed by: Rainer LEPPELT:

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(signature)

In the presence of:

(signature of witness)

Name:

Address:

Occupation:

P100479

Executed as a deed by: Guy CHANDLER:

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(signature)

In the presence of:

(signature of witness)

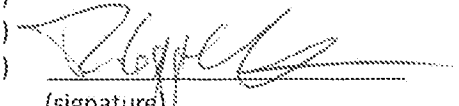
Name:

Address:

Occupation:

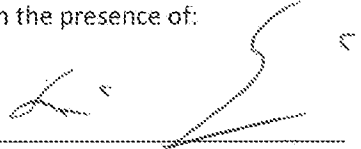
Executed as a deed by: Rainer LEPELT:

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(signature)

In the presence of:



(signature of witness)

Name: *Dominic Senti*

Address: *Bahnstraße 3
56299 Linscheid*

Occupation: *clever*

P100479

Executed as a deed by: Andrew NEWMAN:

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 (signature)

In the presence of:

 (signature of witness)

Name: Rebecca Maksymowicz
 Address: 7 Yardey
 Lechworth,
 SG6 2SR
 Occupation: NPI Chemist

Executed as a deed by: Paul PHILLIPS:

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 (signature)

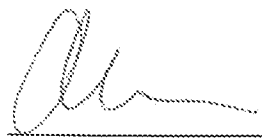
In the presence of:

 (signature of witness)

Name: ALEX GREEN
 Address: 39 Winton Way
 Baldock
 SG6 7 6EF
 Occupation: SCA Dev manager

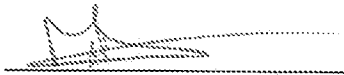
P100479

Executed as a deed by: Oliver ROWE:

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)


(signature)

In the presence of:



(signature of witness)

Name: Rebecca Maksymowicz
Address: 7 Yardley,
Lechworth,
SG6 2SA
Occupation: NPI Chemist

Executed as a deed by: Christopher SMITH:

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)

(signature)

In the presence of:

(signature of witness)

Name:

Address:

Occupation:

P100479

Executed as a deed by: Oliver ROWE:

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(signature)

In the presence of:

(signature of witness)

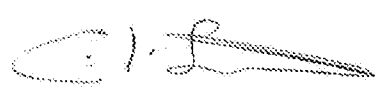
Name:

Address:

Occupation:

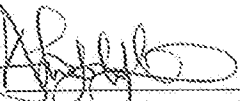
Executed as a deed by: Christopher SMITH:

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(signature)

In the presence of:



(signature of witness)

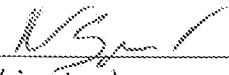
Name:

Ify Asteniyi
Address: Gate 22 Johnson Matthey
Royston.

Occupation: Supply chain compliance officer.

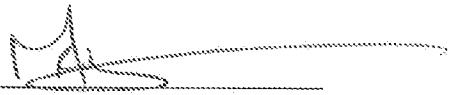
Executed as a deed by: Nicholas SPENCER:

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)



(signature)

In the presence of:



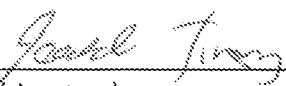
(signature of witness)

Name: ~~NICHOLAS SPENCER~~
Address: ~~8 WADDEN ROAD~~
~~LITTLE CHESTERFORD~~
~~CB10 1UD~~
Occupation: ~~Senior Development Chemist~~

Rebecca Malyszynowicz
7 Yardley,
Leichworth,
SG6 2SE
NPI Chemist

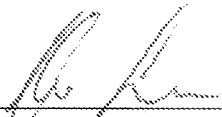
Executed as a deed by: Isabel TINGAY:

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(signature)

In the presence of:




(signature of witness)

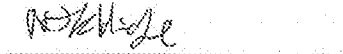
Name: ALEX GREEN
Address: 57 Weston Way
Balloch
G69 6EF
Occupation: Self Dev Manager

P100479

Executed as a deed by: ROBERT WALKER


(signature)

In the presence of:


(signature of witness)

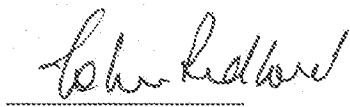
Name: NICHOLAS ALDRIDGE

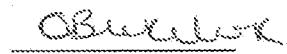
Address: 24 RAVENSWORTH GARDENS
CAMBRIDGE
CB1 2XN

Occupation:

ANALYST

Executed as a deed by JOHNSON MATTHEY PUBLIC LIMITED COMPANY acting by JOHN REDMOND in the presence of:


By Power of Attorney


(signature of witness)

Name: EMMA BLACELOCK

Address: C/O JOHNSON MATTHEY PLC
PO BOX 1, BELAIS AVENUE,
BILLINGHAM, TS23 1LB
Occupation: PATENT ADMINISTRATOR