

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4525925

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ANDREY KARPOV	01/15/2016
DAVID PRELI	01/26/2016
KNUT WASSERMANN	01/26/2016
ANDREAS SUNDERMANN	01/14/2016
RECEIVING PARTY DATA	
Name:	BASF CORPORATION
Street Address:	100 PARK AVENUE
City:	FLORHAM PARK
State/Country:	NEW JERSEY
Postal Code:	07932
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	15546953
Application Number:	62109489
CORRESPONDENCE DATA	
Fax Number:	(919)755-2150
<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>	
Phone:	919-755-2100
Email:	dgravius@wcsr.com
Correspondent Name:	JESSICA L. GORCZYNSKI
Address Line 1:	555 FAYETTEVILLE STREET
Address Line 2:	WOMBLE CARLYLE SANDRIDGE & RICE, LLP
Address Line 4:	RALEIGH, NORTH CAROLINA 27601
ATTORNEY DOCKET NUMBER:	B248 2230US.PCT (0653.1)
NAME OF SUBMITTER:	JESSICA L. GORCZYNSKI
SIGNATURE:	/jessica l. gorczynski/
DATE SIGNED:	07/28/2017
Total Attachments: 7	

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WORLDWIDE INVENTION ASSIGNMENT

WHEREAS, the undersigned (hereinafter collectively referred to as "Assignor") has or may have invented certain inventions and improvements disclosed in the United States patent application entitled "**PLATINUM GROUP METAL (PGM)-CONTAINING CATALYSTS FOR AUTOMOTIVE EMISSIONS TREATMENT**" and designated as

- Application No. 62/109,489; filed January 29, 2015
- Application claims priority from Application No. , filed , all applications listed above being hereinafter referred to as the "Application(s)";

WHEREAS, it is agreed that

BASF Corporation
100 Park Avenue
Florham Park, NJ 07932

(hereinafter referred to as "Assignee"), is entitled to or is desirous of acquiring all right, title and interest related to the same;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, by these presents, does sell, assign, and transfer unto Assignee the full, exclusive and entire right, title and interest, worldwide: (i) in and to all inventions and improvements disclosed and described in the Application(s); (ii) in and to said Application(s) and any other United States national stage, provisional, non-provisional, divisional, continuation, continuation-in-part, or design patent applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s) (the "U.S. Applications"); (iii) in and to any Patent Cooperation Treaty applications based in whole or in part upon said inventions or improvements and/or claiming priority to said Application(s); (iv) in and to any and all applications for industrial property protection, including without limitation applications for patent, utility model, inventor's certificate, and design, filed or which are hereafter filed in countries outside the United States (the "Foreign Applications") and which describe in whole or in part said inventions and improvements, said Foreign Applications to be

filed and issued in the name of Assignee or its designee insofar as permitted by applicable law; (v) in and to all patents or similar protective rights in the United States or elsewhere which may be granted on the U.S. Applications and Foreign Applications and all reissues, reexaminations, and extensions thereof, any and all such patents or other protective rights to issue in the name of Assignee and for the sole use and behoof of Assignee and its successors and assigns; and (vi) in and to the right to claim any applicable foreign or domestic priority rights arising from or required for any of the aforementioned applications under the terms of any applicable conventions, treaties, statutes, or regulations.

AND, for the same consideration, Assignor agrees to (i) communicate to Assignee, its successors, legal representatives, and assigns, any facts known to Assignor respecting said inventions and improvements or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions or improvements; (ii) sign or execute all lawful papers, applications, declarations, affidavits, assignments, and rightful oaths that may be requested by Assignee during prosecution or enforcement of any rights related to the inventions and improvements; (iii) testify in any proceedings relating to said inventions or improvements or rights granted therefor; and (iv) generally do everything possible to aid Assignee and its successors, legal representatives and assigns, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

Assignor covenants with Assignee, its successors, legal representatives, and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned. Assignor further agrees that Assignee, its successors, legal representatives, and assigns, may insert into this Assignment any further text necessary or desirable to define the Applications to which the Assignment pertains for purposes of recordation, and also agrees that the Assignment is effective at least as early as January 29, 2015 the earliest priority date of the Application(s).

[SIGNATURE PAGES FOLLOW]

6 AK
January 15, 2014
Date

Karpov (ANDREY KARPOV)
ANDREY KARPOV

WITNESSES:

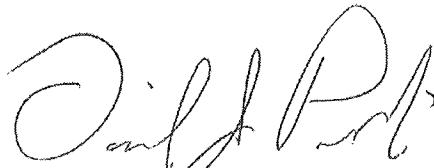
Michael Reiser
(Signature of Witness)

Michael Reiser
(Typed Name of Witness)

Thomas Rousseau
(Signature of Witness)

THOMAS ROUSSEAU
(Typed Name of Witness)

1-26-2016
Date



DAVID PRELI

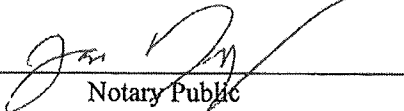
State of CONNECTICUT)
County of HARTFORD }

I, JASON KRUG, a Notary Public for said County and State, do hereby certify that DAVID PRELI personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 26 day of JANUARY, 2016.

(Official Seal)

My commission expires 01/31/2019



Notary Public

JASON P. KRUG
NOTARY PUBLIC
MY COMMISSION EXPIRES JAN. 31, 2019

January 26, 2016
Date

Knut Wassermann
KNUT WASSERMANN

State of New Jersey)
County of Middlesex)

I, BARBARA A. SLATTERY, a Notary Public for said County and State, do hereby certify that KNUT WASSERMANN personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 26th day of JANUARY, 2016.

(Official Seal)

Barbara A. Slattery
Notary Public

My commission expires 12/11/2017

**BARBARA A. SLATTERY
NOTARY PUBLIC OF NEW JERSEY
I.D. # 2427835
My Commission Expires 12/11/2017**

January 14, 2016
Date

Andreas Sundermann
ANDREAS SUNDERMANN

State of Germany)
Ludwigshafen/)
County of Rheinland-Pfalz)

I, Dr. Matthias Meyer, a Notary Public for said County and State, do hereby certify that ANDREAS SUNDERMANN personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 18th day of January, 2016.



[Signature]
Notary Public

My commission expires in the event of death.

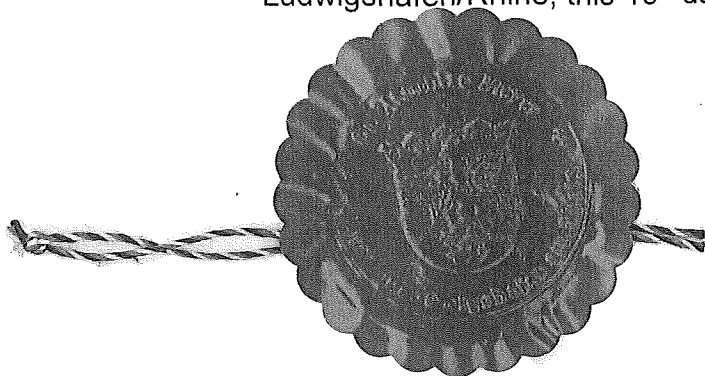
U.R.Nr. 169/2016


I, Dr. Matthias Meyer, notary public at Ludwigshafen/Rhine, Federal Republic of Germany, hereby testify and confirm that the foregoing signature of

Dr. Andreas **Sundermann**, born on February 16, 1970, residing at 64625 Bensheim, Annastraße 16, Germany, identified by his official german identity card,

is true and valid.

Ludwigshafen/Rhine, this 18th day of January, 2016




Dr. Meyer
notary public