502625013 01/08/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2671622

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARCUS HILGENDORFF	11/05/2013
ALFRED PUNKE	11/12/2013
TORSTEN MUELLER-STACH	11/05/2013
GERD GRUBERT	11/05/2013
TORSTEN NEUBAUER	11/05/2013
JEFFREY HOKE	11/18/2013

RECEIVING PARTY DATA

Name:	BASF SE
Street Address:	CARL-BOSCH-STRASSE 38
City:	LUDWIGSHAFEN
State/Country:	GERMANY
Postal Code:	67056

Name:	BASF CORPORATION
Street Address:	100 PARK AVENUE
City:	FLORHAM PARK
State/Country:	NEW JERSEY
Postal Code:	07932

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14091389

CORRESPONDENCE DATA

Fax Number: (732)815-1330 **Phone**: 732-815-0404

Email: spedersen@dsiplaw.com

PATENT REEL: 031914 FRAME: 0613

Correspondence will be sent via US Mail when the email attempt is unsuccessful. Correspondent Name: SERVILLA WHITNEY LLC Address Line 1: 33 WOOD AVENUE SOUTH SECOND FLOOR, SUITE 210 Address Line 2: Address Line 4: ISELIN, NEW JERSEY 08830 ATTORNEY DOCKET NUMBER: BSE0168-00US NAME OF SUBMITTER: KAREN M. WHITNEY /Karen M. Whitney, Reg. No. 52,355/ Signature: 01/08/2014 Date: Total Attachments: 6 source=00407571#page1.tif source=00407571#page2.tif source=00407571#page3.tif source=00407571#page4.tif source=00407571#page5.tif source=00407571#page6.tif

> PATENT REEL: 031914 FRAME: 0614

Title of Invention	Diesel Oxidation Catalyst Comprising Palladium, Gold	and Ceria
As the below r	named inventor, I hereby declare that:	
This declaration	on [] The attached application, or	
is directed to:	[X] United States application or PCT international application number filed on November 27, 2013	14/091,389
The above-ide	entified application was made or authorized to be made by me.	
I believe that I	I am the original inventor or an original joint inventor of a claimed invention in	n the application.
and BASF Corpora having places (hereinafter re is desirous of	BASF SE having places of business at: 67056 Ludwigshafen, Germany, ration s of business at: 100 PARK AVENUE, Florham Park,NJ 07932, United State referred to as "ASSIGNEE(S)") f acquiring the entire right, title and interest in and to said invention and in a granted therefore in the United States and its territorial possessions and	and to any Letters Patent
acknowledged the said invento claim priori Arrangements Patent which i	IEREFORE, for good and valuable consideration the receipt and sufficient d, I, by these presents do assign and transfer unto said ASSIGNEE(S), the nation in the United States and its territorial possessions and in all foreign courity under the terms of the International Convention and other relevant II is from the aforesaid application) and the entire right, title and interest in a may be granted therefor in the United States and its territorial possessions I in and to any and all divisions, reissues, continuations, substitutions and ref	full and exclusive right to untries (including the right nternational Treaties and nd to any and all Letters and in any and all foreign
any and all fo the assignee ASSIGNEE(S)	uthorize and request the Patent Office Officials in the United States and its to preign countries to issue any and all of said Letters Patent, when granted, of my entire right, title and interest in and to the same, for the sole (S), its (his) successors and assigns, to the full end of the term for which sa ully and entirely as the same would have been held by me had this Assign	to said ASSIGNEE(S) as use and behoof of said id Letters Patent may be
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
	acknowledge that any willful false statement made in this declaration is pur or imprisonment of not more than five (5) years, or both.	nishable under 18 U.S.C.
LEGAL NAME	E OF INVENTOR	
Inventor: Ma	farcus Hilgendorff	Date:
	a in the first of M	

PATENT_{/2012}
REEL: 031914 FRAME: 0615

Signature:

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT		
Title of Invention	Diesel Oxidation Catalyst Comprising Palladium, Gold and Ceria	
As the below r	named inventor, I hereby declare that:	
This declaration	on [] The attached application, or	
is directed to:	[X] United States application or PCT international application number 14/091,389 filed on November 27, 2013	
The above-ide	entified application was made or authorized to be made by me.	
l believe that I	am the original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, BASF SE having places of business at: 67056 Ludwigshafen, Germany, and BASF Corporation having places of business at: 100 PARK AVENUE, Florham Park,NJ 07932, United States of America, (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		

Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR	
Inventor: Alfred Punke	Date: 12.11.13
Signature: A. Truel	
Alfre OI Free C	

PATENT, 1/2012 **REEL: 031914 FRAME: 0616**

Diesel Oxidation Catalyst Comprising Palladium, Gold and Ceria

As the below nam	ed inventor, i nereby declare that:	
This declaration	[] The attached application, or	
is directed to:	[X] United States application or PCT international application number 14/091,389 filed on November 27, 2013	
The above-identifi	ied application was made or authorized to be made by me.	
I believe that I am	the original inventor or an original joint inventor of a claimed invention in the application.	
and BASF Corporation having places of the (hereinafter referring the states) is desirous of acquiring the states and the states are the state	SE having places of business at: 67056 Ludwigshafen, Germany, nousiness at: 100 PARK AVENUE, Florham Park,NJ 07932, United States of America, red to as "ASSIGNEE(S)") puiring the entire right, title and interest in and to said invention and in and to any Letters Patent nted therefore in the United States and its territorial possessions and in any and all foreign	
acknowledged, I, the said invention to claim priority of Arrangements fro Patent which may	EFORE, for good and valuable consideration the receipt and sufficiency of which is hereby by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to in the United States and its territorial possessions and in all foreign countries (including the right under the terms of the International Convention and other relevant International Treaties and im the aforesaid application) and the entire right, title and interest in and to any and all Letters be granted therefor in the United States and its territorial possessions and in any and all foreign and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	
any and all foreig the assignee of ASSIGNEE(S), its	rize and request the Patent Office Officials in the United States and its territorial possessions and in countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as my entire right, title and interest in and to the same, for the sole use and behoof of said is (his) successors and assigns, to the full end of the term for which said Letters Patent may be and entirely as the same would have been held by me had this Assignment and sale not been	
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. aprisonment of not more than five (5) years, or both.	
LEGAL NAME OF INVENTOR		
Inventor: Torste	en Müller-Stach Date: 05/11/13	
Cianatura	Varsions Thins-Stade	

PATENT_{1/2012} REEL: 031914 FRAME: 0617

Title of

Invention

Title of Invention Diesel Oxidation Catalyst Comprising Palladium, Gold and Ceria

As the below named inventor, I hereby declare that:

This declaration [] The attached application, or

is directed to: [X] United States application or

[X] United States application or PCT international application number $\ 14/091,389$

filed on November 27, 2013

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

WHEREAS, BASF SE having places of business at: 67056 Ludwigshafen, Germany, and

BASF Corporation

having places of business at: 100 PARK AVENUE, Florham Park, NJ 07932, United States of America,

(hereinafter referred to as "ASSIGNEE(S)")

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.

Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

LEGAL NAME OF INVENTOR

Inventor: Gerd Grubert

Date: 05.11.2013

Signature:

PATEN 17/2012 REEL: 031914 FRAME: 0618

Title of Diesel Oxidation Catalyst Comprising Palladium, Gold and Ceria		
As the below named inventor, I hereby declare that:		
This declaration [] The attached application, or		
is directed to: [X] United States application or PCT international application number 14/091,389 filed on November 27, 2013		
The above-identified application was made or authorized to be made by me.		
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, BASF SE having places of business at: 67056 Ludwigshafen, Germany, and BASF Corporation		
having places of business at: 100 PARK AVENUE, Florham Park,NJ 07932, United States of America, (hereinafter referred to as "ASSIGNEE(S)")		
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;		
NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby acknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries (including the right to claim priority under the terms of the International Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this Assignment and sale not been made.		
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.		
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INVENTOR		
Inventor: Torsten Neubauer Date: 05/1/2013		
Signature: Vitalen Muslaum.		

PATENT Stand: 11/2012 REEL: 031914 FRAME: 0619

Invention	lation Catalyst Comprising Palladium, Gold and Ceria
As the below named inventor, I	nereby declare that:
This declaration [] The attac	hed application, or
— — — — — — — — — — — — — — — — — — —	ates application or PCT international application number 14/091,389 lovember 27, 2013
The above-identified application	was made or authorized to be made by me.
I believe that I am the original in	ventor or an original joint inventor of a claimed invention in the application.
and BASF Corporation having places of business at: 10 (hereinafter referred to as "ASS is desirous of acquiring the enti	laces of business at: 67056 Ludwigshafen, Germany, 10 PARK AVENUE, Florham Park,NJ 07932, United States of America, 13 GNEE(S)") 16 re right, title and interest in and to said invention and in and to any Letters Patent 17 in the United States and its territorial possessions and in any and all foreign
acknowledged, I, by these presonant the said invention in the United to claim priority under the term Arrangements from the aforesa Patent which may be granted the	and valuable consideration the receipt and sufficiency of which is hereby ents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to States and its territorial possessions and in all foreign countries (including the right as of the International Convention and other relevant International Treaties and id application) and the entire right, title and interest in and to any and all Letters in the United States and its territorial possessions and in any and all foreign all divisions, reissues, continuations, substitutions and renewals thereof.
any and all foreign countries to the assignee of my entire right ASSIGNEE(S), its (his) success	est the Patent Office Officials in the United States and its territorial possessions and issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as nt, title and interest in and to the same, for the sole use and behoof of said sors and assigns, to the full end of the term for which said Letters Patent may be as the same would have been held by me had this Assignment and sale not been
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.	
	any willful false statement made in this declaration is punishable under 18 U.S.C. not more than five (5) years, or both.
LEGAL NAME OF INVENTOR	
Inventor: Jeffrey Hoke	Date: <u>Nov. 18, 2013</u>

PATENT_{1/2012}
REEL: 031914 FRAME: 0620

US Declaration - national - 250346 RECORDED: 01/08/2014

Signature:_