### 505212838 11/30/2018

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5259605

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DOMINIC RIEDEL	01/06/2017
JOAQUIM HENRIQUE TELES	01/06/2017
DANIEL URBANCZYK	01/11/2017
ULRIKE WEGERLE	01/21/2017
LUISE SPISKE	02/16/2017
ANDREI-NICOLAE PARVULESCU	02/02/2017
ALEXANDER SCHROEDER	01/17/2017
ULRICH MUELLER	02/03/2017

### **RECEIVING PARTY DATA**

Name:	BASF SE
Street Address:	
City:	Ludwigshafen
State/Country:	Germany
Postal Code:	67056

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15550581

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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: (703) 413-3000
Email: skim@oblon.com
Correspondent Name: OBLON, ET AL.

Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	506111US
NAME OF SUBMITTER:	HANA KIM
SIGNATURE:	/HANA KIM/

PATENT 505212838 REEL: 047632 FRAME: 0737

DATE SIGNED:	11/30/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 8	
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Title of Invention PROCESS FOR THE REGENERATION OF A TITANIUM ZEOLITE CATALYST FOR Invention PROPYLENE EPOXIDATION

As the below named inventor, I hereby declare that:

This declaration [ ] The attached application, or is directed to: [x] PCT international application number PCT/EP2016/052983 filed on

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

12 Feb 2016

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

WHEREAS, BASF SE 67056 Ludwigshafen Germany

(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: Dominic Riedel	 Date: 6.04.20/7
Signature:	
Marie Control of the	

Title of Invention	PROCESS FOR THE REGENERATION OF A TITANIUM ZEOLITE CATALYST FOR
	PROPYLENE EPOXIDATION named inventor, I hereby declare that:
This declaration	
is directed to:	[x] PCT international application number PCT/EP2016/052983 filed on 12 Feb 2016
The above-ide	ntified 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 67056 Ludwigs Germany	shafen
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any and all for the assignee ASSIGNEE(S)	thorize and request the Patent Office Officials in the United States and its territorial possessions and eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as of my entire right, title and interest in and to the same, for the sole use and behoof of said its (his) successors and assigns, to the full end of the term for which said Letters Patent may be ly and entirely as the same would have been held by me had this Assignment and sale not been
respecting said continuation, sand all of said everything pos	gree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me d invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ubstitute, renewal and reissue applications, execute all necessary assignment papers to cause any Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do sible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper aid invention in the United States and its territorial possessions and in any and all foreign countries.
I hereby ac 1001 by fine or	knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.
LEGAL NAME Inventor: Joaqu Signature:	OF INVENTOR  James Teles  Date: 61.2017  Date: 61.2017

Title of Invention	PROCESS FOR THE REGENERATION OF A TITANIUM ZEOLITE CATALYST FOR PROPYLENE EPOXIDATION
As the below n	amed inventor, I hereby declare that:
This declaratio	n [] The attached application, or
is directed to:	<ul><li>[x] PCT international application number PCT/EP2016/052983 filed on 12 Feb 2016</li></ul>
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respecting said continuation, su and all of said everything posi-	ree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me I invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, abstitute, renewal and reissue applications, execute all necessary assignment papers to cause any Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do sible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper aid invention in the United States and its territorial possessions and in any and all foreign countries.
I hereby ack 1001 by fine or	knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. imprisonment of not more than five (5) years, or both.
LEGAL NAME ( Inventor: Daniel	
Signature	

Title of PROCESS FOR THE REGENERATION OF A TITANIUM ZEOLITE CATALYST Invention FOR PROPYLENE EPOXIDATION As the below named inventor, I hereby declare that: This declaration [ ] The attached application, or is directed to: [x] PCT international application number PCT/EP2016/052983 filed on 12 Feb 2016 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 67056 Ludwigshafen Germany (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: Ulrike Wegerle

Date: 21. 1. 2017

Ulike Wegde Signature:

Tidle of		
Title of Invention	PROCESS FOR THE REGENERATION OF A TITANIUM ZEOLITE CATALYST FOR PROPYLENE EPOXIDATION	
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LEGAL NAME Inventor: Luise Signature:		

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LEGAL NAME OF INVENTOR Inventor: Andrei-Nicolae Parvulescu  Date: © 2-02-20 ()		
Signature:		

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LEGAL NAME ( Inventor: Alexar	3460	
Signature:	Acres Sternales	

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Invention	CATALYST FOR PROPYLENE EPOXIDATION	
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LEGAL NAME Inventor: Ulrich	OF INVENTOR  Mueller	Date: 03.02.700
Signature:		

US\_PCT\_Ded PATENT
RECORDED: 11/30/2018 REEL: 047632 FRAME: 0746