504376381 05/19/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4423076

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANDREI-NICOLAE PARVULESCU	07/16/2015
JEFF YANG	08/12/2015
STEFAN MAURER	08/03/2015
MANUELA GAAB	09/15/2015
KARSTEN SEIDEL	07/20/2015
ULRICH MUELLER	08/03/2015

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:	14436738

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:	452555US
NAME OF SUBMITTER:	HANA KIM
SIGNATURE:	/HANA KIM/
DATE SIGNED:	05/19/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 6 source=452555USAssn1#page1.tif source=452555USAssn1#page2.tif source=452555USAssn1#page3.tif source=452555USAssn1#page4.tif source=452555USAssn1#page5.tif source=452555USAssn1#page6.tif

72492

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention	POST-TREATMENT OF DEBORONATE	D ZEOLITE BETA
As the below name	ed inventor, I hereby declare that:	
This declaration [The attached application, or	
is directed to:	United States application or PCT international ap filed on April 17, 2015	plication number 14/436,738
The above-identifie	ed application was made or authorized to be made b	y me,
I believe that I am t	the original inventor or an original joint inventor of	a claimed invention in the application.
of acquiring the en	SF SE d to as "ASSIGNEE") having places of business at tire right, title and interest in and to said invention the United States and its territorial possessions and	and in and to any Letters Patent that may be
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOL if for other good and valuable consideration, I, by the full and exclusive right to the said invention in the countries (including the right to claim priority under mational Treaties and Arrangements from the aforemany and all Letters Patent which may be granted the any and all foreign countries and in and to assent the enewals thereof.	hese presents do sell, assign and transfer unto he United States and its territorial possessions the terms of the International Convention and said application) and the entire right, title and herefor in the United States and its territorial
any and all foreign assignee of my enti (his) successors and	ize and request the Patent Office Officials in the Un countries to issue any and all of said Letters Patier right, title and interest in and to the same, for the dassigns, to the full end of the term for which said would have been held by me had this Assignment.	ent, when granted, to said ASSIGNEE as the ne sole use and behoof of said ASSIGNEE, its d Letters Patent may be granted, as fully and
respecting said inv continuation, substi all of said Letters possible to aid said	that I will communicate to said ASSIGNEE or its vention, and testify in any legal proceeding, signitute, renewal and reissue applications, execute all Patent to be issued to said ASSIGNEE, make all ASSIGNEE, its (his) successors and assigns, to ited States and its territorial possessions and in any	an all lawful papers, execute all divisional, necessary assignment papers to cause any and rightful oaths, and, generally do everything obtain and enforce proper protection for said
I hereby acknow by fine or imprison	reledge that any willful false statement made in this dement of not more than five (5) years, or both.	leclaration is punishable under 18 U.S.C. 1001
LEGAL NAME OF	FINVENTOR	
Inventor: Andrei-	Nicolae PARVULESCU	Date:
Signature:	M	- -

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P. $\,$

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	POST-TREATMENT OF DEBORONATED ZEOLITE BETA
As the below name	d inventor, I hereby declare that:
This declaration [The attached application, or
is directed to:	United States application or PCT international application number 14/436,738 filed on April 17, 2015
The above-identifie	d application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
(hereinafter referred of acquiring the ent	SF SE I to as "ASSIGNEE") having places of business at: <u>67056 Ludwigshafen, Germany</u> , is desirous tire right, title and interest in and to said invention and in and to any Letters Patent that may be the United States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign conther relevant Interrinters in the action and to an	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto be full and exclusive right to the said invention in the United States and its territorial possessions countries (including the right to claim priority under the terms of the International Convention and mational Treaties and Arrangements from the aforesaid application) and the entire right, title and may and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my enti- (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its dassigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
respecting said inv continuation, substit all of said Letters l possible to aid said	that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me rention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, tute, renewal and reissue applications, execute all necessary assignment papers to cause any and Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said ted States and its territorial possessions and in any and all foreign countries.
	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.
LEGAL NAME OF	•
Inventor: Jeff YA	NG Date:
Signature:	001 6r

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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(hereinafter referred of acquiring the ent	WHEREAS, BASF SE (hereinafter referred to as "ASSIGNEE") having places of business at: 67056 Ludwigshafen, Germany, 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;		
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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 as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, 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 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, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, 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 acknowl by fine or imprisonn	ledge that any willful false statement made in this nent of not more than five (5) years, or both.	declaration is punishable under 18 U.S.C. 1001	
LEGAL NAME OF	INVENTOR		
Inventor: Stefan N	1 AURER	Date: <u>2015 08.03</u>	
Signature:	ele Mars		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314



DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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The above-identifie	ed application was made or authorized to be made by me.
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.
	SF SE
of acquiring the en	d to as "ASSIGNEE") having places of business at: <u>67056 Ludwigshafen, Germany</u> , is desirous tire right, title and interest in and to said invention and in and to any Letters Patent that may be the United States and its territorial possessions and in any and all foreign countries;
acknowledged, and said ASSIGNEE, the and in all foreign conther relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto ne full and exclusive right to the said invention in the United States and its territorial possessions pountries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.
any and all foreign assignee of my enti (his) successors and	ze and request the Patent Office Officials in the United States and its territorial possessions and countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the re right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its d assigns, to the full end of the term for which said Letters Patent may be granted, as fully and would have been held by me had this Assignment and sale not been made.
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by fine or imprisonr	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.
LEGAL NAME OF	INVENTOR
Inventor: Manuela	a GAAB Date: 15.07.8015
Signature:	2/1/2011 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

73699

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Invention	POST-TREATMENT OF DEBORONATED ZEOLITE BETA	
As the below named inventor, I hereby declare that:		
This declaration [The attached application, or	
is directed to:	United States application or PCT international application number 14/436,738 filed on April 17, 2015	
The above-identifie	d application was made or authorized to be made by me.	
I believe that I am t	he original inventor or an original joint inventor of a claimed invention in the application.	
WHEREAS, BAS		
of acquiring the en	d to as "ASSIGNEE") having places of business at: 67056 Ludwigshafen, Germany, is desirous tire right, title and interest in and to said invention and in and to any Letters Patent that may be the United States and its territorial possessions and in any and all foreign countries;	
acknowledged, and said ASSIGNEE, the and in all foreign co- other relevant Inter- interest in and to a	FORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby for other good and valuable consideration, I, by these presents do sell, assign and transfer unto ne full and exclusive right to the said invention in the United States and its territorial possessions puntries (including the right to claim priority under the terms of the International Convention and national Treaties and Arrangements from the aforesaid application) and the entire right, title and my and all Letters Patent which may be granted therefor in the United States and its territorial any and all foreign countries and in and to any and all divisions, reissues, continuations, newals thereof.	
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	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 nent of not more than five (5) years, or both.	
LEGAL NAME OF	INVENTOR	
Inventor: Karsten	SEIDEL Date: 100 100 100 100 100 100 100 100 100 10	
Signature:	Jan Jandel	

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

73698

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention POST-TREATMENT OF DEBORONATED ZEOLITE BETA		
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This declaration The attached application, or		
is directed to: United States application or PCT international application number 14/436,738 filed on April 17, 2015		
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.		
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NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto said ASSIGNEE, 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 as the assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, 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.		
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LEGAL NAME OF INVENTOR		
Inventor: Ulrich MUELLER Date: US Of , US		
Signature:		

OBLON, McCLELLAND, MAIER & NEUSTADT, L.L.P.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

PATENT REEL: 042439 FRAME: 0008

RECORDED: 05/19/2017