05/17/2017 504371300

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4417994

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHRISTIAN BITTNER	06/30/2015
GÜNTER OETTER	06/30/2016
SEBASTIAN ALEXANDER WEISSE	06/30/2015
HANS-CHRISTIAN RATHS	07/07/2015
JACK TINSLEY	09/23/2015
MARCEL PATRIK KIENLE	07/01/2015

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15527249	

CORRESPONDENCE DATA

Fax Number: (212)248-3141

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: 212-248-3140

Email: Joann.Miceli@dbr.com

Correspondent Name: JOSEPH BARRERA, ESQUIRE Address Line 1: DRINKER BIDDLE & REATH LLP

Address Line 2: 1177 AVENUE OF THE AMERICAS, 41ST FLOOR

Address Line 4: **NEW YORK, NEW YORK 10036-2714**

ATTORNEY DOCKET NUMBER:	074014-0672-US-562374
NAME OF SUBMITTER:	JOSEPH BARRERA
SIGNATURE:	/JOSEPH BARRERA/
DATE SIGNED:	05/17/2017

PATENT REEL: 042409 FRAME: 0724 504371300

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

PATENT REEL: 042409 FRAME: 0725

Invention	Method of mineral oil production		
As the below n	As the below named inventor, I hereby declare that:		
This declaratio	This declaration [] The attached application, or		
is directed to:	[] United States application or PCT international application number PCT/EP2015/076832 filed on November 17, 2015		
The above-ide	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.			
(hereinafter re is desirous of a	ASF SE having places of business at: 67056 Ludwigshafen, Germany, ferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign		
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: Jac	k Tinsley Date: Sept. 25 20/5		
Signature:			

Title of Invention	Method of mineral oil production		
As the below r	named inventor, I hereby declare that:		
This declaration	on [] The attached application, or		
is directed to:	[] United States application or PCT international application number PCT/EP2015/076832 filed on November 17, 2015		
The above-ide	entified application was made or authorized to be made by me.		
I believe that I	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
(hereinafter n	IASF SE having places of business at: 67056 Ludwigshafen, Germany, eferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign		
acknowledged the said invento claim prior Arrangements Patent which	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby d. I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to attom in the United States and its territorial possessions and in all foreign countries (including the right into under the terms of the International Convention and other relevant International Treaties and is from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.		
any and all fo the assignee ASSIGNEE(S	uthorize and request the Patent Office Officials in the United States and its territorial possessions and preign 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 i), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be utily 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 caths, 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 a 1001 by fine o	cknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INVENTOR			
Inventor: H	ans-Christian Raths Date: <u>02 02 200</u>		
Signature:	Jan Caristian John		

PATENT_{1/2012}
REEL: 042409 FRAME: 0727

Title of Invention	Method of mineral oil production
As the below named inventor, I hereby declare that:	
This declaration	• •
is directed to:	[] United States application or PCT international application number PCT/EP2015/076832 filed on November 17, 2015
	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.
(hereinafter re	ASF SE having places of business at: 67056 Ludwigshafen, Germany, eferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledged the said inven to claim priori Arrangements Patent which r	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby it, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to tion in the United States and its territorial possessions and in all foreign countries (including the right ty under the terms of the International Convention and other relevant International Treaties and from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
any and all fo the assignee ASSIGNEE(S)	thorize and request the Patent Office Officials in the United States and its territorial possessions and reign 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 is, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be ally and entirely as the same would have been held by me had this Assignment and sale not been
respecting sa continuation, s and all of sail everything po	gree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me id invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any d Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do ssible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper said invention in the United States and its territorial possessions and in any and all foreign countries.
	knowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. rimprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR	
Inventor: Ma	arcel Patrik Klenle Date: Okol. 2005
Signature:	

PATEN 17/2012

Title of Invention	Method of mineral oil production	
As the below no	amed inventor, I hereby declare that:	
This declaration	n [] The attached application, or	
is directed to:	[] United States application or PCT international application num filed on November 17, 2015	ber PCT/EP2015/076832
The above-ider	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 invent	tion in the application.
(hereinafter reins desirous of a	ASF SE having places of business at: 67056 Ludwigshafen, Germany ferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention an pranted therefore in the United States and its territorial possession	d in and to any Letters Patent
acknowledged, the said inventi to claim priorit Arrangements Patent which re	REFORE, for good and valuable consideration the receipt and s. I, by these presents do assign and transfer unto said ASSIGNEE(S) ion in the United States and its territorial possessions and in all foreign y under the terms of the International Convention and other relevant from the aforesaid application) and the entire right, title and interest hay be granted therefor in the United States and its territorial possess in and to any and all divisions, reissues, continuations, substitutions are	, the full and exclusive right to n countries (including the right ant International Treaties and t in and to any and all Letters ions and in any and all foreign
any and all for the assignee (ASSIGNEE(S),	thorize and request the Patent Office Officials in the United States and eign countries to issue any and all of said Letters Patent, when gran of my entire right, title and interest in and to the same, for the its (his) successors and assigns, to the full end of the term for which by and entirely as the same would have been held by me had this A	ited, to said ASSIGNEE(S) as sole use and behoof of said th said Letters Patent may be
respecting said continuation, so and all of said everything pos	gree that I will communicate to said ASSIGNEE(S) or its (his) represer d invention, and testify in any legal proceeding, sign all lawful pubstitute, renewal and reissue applications, execute all necessary as I Letters Patent to be issued to said ASSIGNEE(S), make all righsible to aid said ASSIGNEE(S), its (his) successors and assigns, aid invention in the United States and its territorial possessions and in	apers, execute all divisional, signment papers to cause any itful oaths, and, generally do to obtain and enforce proper
I hereby act 1001 by fine or	knowledge that any willful false statement made in this declaration is imprisonment of not more than five (5) years, or both.	s punishable under 18 U.S.C.
LEGAL NAME	OF INVENTOR	:
Inventor: Set	pastian Alexander Weiße	Date 30.06./5
Signature	Eladia Ville	

PATENT₂₀₁₂
REEL: 042409 FRAME: 0729

Title of Invention	Method of mineral oil production
	named inventor, I hereby declare that:
This declarati	on [] The attached application, or
is directed to:	[] United States application or PCT international application number PCT/EP2015/076832 filed on November 17, 2015
The above-id	entified 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.
(hereinafter i	BASE SE having places of business at: 67056 Ludwigshafen, Germany, referred to as "ASSIGNEE(S)") f acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent granted therefore in the United States and its territorial possessions and in any and all foreign
acknowledge the said inve- to claim prio Arrangement Patent which countries and	HEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby sed, i, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to intend united States and its territorial possessions and in all foreign countries (including the right prity under the terms of the International Convention and other relevant International Treaties and its from the aforesaid application) and the entire right, title and interest in and to any and all Letters may be granted therefor in the United States and its territorial possessions and in any and all foreign d in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
any and all f	suthorize and request the Patent Office Officials in the United States and its territorial possessions and foreign 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 S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may be fully and entirely as the same would have been held by me had this Assignment and sale not been
respecting s continuation, and all of s	agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any aid Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally dopossible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper resaid invention in the United States and its territorial possessions and in any and all foreign countries.
I hereby 1001 by fine	acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. or imprisonment of not more than five (5) years, or both.
LEGAL NAM	ME OF INVENTOR
Inventor: (Günter Oefter Date: 30.0x. 20/5
Signature:	JA M.

PATENT 1/2012

REEL: 042409 FRAME: 0730

Title of Invention	Method of mineral oil production		
As the below r	As the below named inventor, I hereby declare that:		
This declaration	This declaration [] The attached application, or		
is directed to:	[] United States application or PCT international application number PCT/EP2015/076832 filed on November 17, 2015		
The above-ide	The above-identified application was made or authorized to be made by me.		
I believe that I	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
WHEREAS, BASE SE having places of business at: 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.			
	cknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. or imprisonment of not more than five (5) years, or both.		
LEGAL NAME OF INVENTOR			
Inventor: C	hristian Bittner Date: 30.06.45		
Signature:	anistia bibre		

US Deciaration - national - 250346

PATEN 17/2012 **REEL: 042409 FRAME: 0731**

RECORDED: 05/17/2017