502623948 01/07/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2670558

SUBMISSION TYP	E:	NEW ASSIGNMENT		
NATURE OF CON\	/EYANCE:	ASSIGNMENT	ASSIGNMENT	
CONVEYING PART	ΓΥ DATA	,		
		Name	Execution Date	
ARNO LANGE			09/22/2013	
MATTHIAS KIEFE	R		09/30/2013	
MATTHIAS KLEIN	ER		11/29/2013	
SZILARD CSIHON	IY		09/18/2013	
DIETMAR POSSE	LT		09/20/2013	
RECEIVING PART	Y DATA			
Name:	BASF SE			
Street Address:				
City:	Ludwigshafe	า		
State/Country:	Germany			
Postal Code:	67056			
PROPERTY NUMB			Number	
Application Number	er:	14046159		
CORRESPONDEN	CE DATA			
Fax Number:		9)413-2220		
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Email: Correspondence w	•	mer@oblon.com <i>Mail when the email attempt i</i>	is unsuccessful	
Correspondent Nar		.ON, SPIVAK, ET AL.	o anoavvoolai.	
Address Line 1:		DUKE STREET		
Address Line 4:	ALE	XANDRIA, VIRGINIA 22314		
NAME OF SUBMIT	TER:	BRIAN PALMER		
Signature:		/Brian Palmer/		
502623948			PATENT REEL: 031907 FRAME: 0057	

Date:	01/07/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 5 source=422648USASSN#page1.tif source=422648USASSN#page2.tif source=422648USASSN#page3.tif source=422648USASSN#page4.tif source=422648USASSN#page5.tif	

PATENT REEL: 031907 FRAME: 0058

Title of Invention	
As the below r	named inventor, I hereby declare that:
This declaration	n [] The attached application, or
is directed to:	[X] United States application or PCT international application number ベイノひょう,イラリ filed on October リ,マッチュ
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.
(hereinafter reis desirous of	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
NOW, THE acknowledged the said invent to claim priori Arrangements Patent which r	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby, 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 for 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 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 sai continuation, s and all of sai everything pos	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 saible 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.
	cknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. r imprisonment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: Ar	no Lange Date: 09-22-13
Signature:	Amolane.

REEL: 031907 FRAME: 0059

Title of Invention		
As the below n	named inventor, I hereby declare that:	
This declaratio	n [] The attached application, or	
is directed to:	[X] United States application or PCT international application number 14/046,155 filed on October 4, 2013	
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.	
(hereinafter reis desirous of	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 invent to claim priori Arrangements Patent which r	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby I, 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 try 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 for the assignee ASSIGNEE(S)	orthorize 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 its (his) successors and assigns, to the full end of the term for which said Letters Patent may be lly 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.		
	cknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. r imprisonment of not more than five (5) years, or both.	
LEGAL NAME	OF INVENTOR	
Inventor: Ma	atthias Kiefer Date: 30.09.20/3	
Signature:	Matthias histor	

PATENT Stand: 1/1/2012 REEL: 031907 FRAME: 0060

Title	of
Inver	ntion

As the below named inventor, I hereby declare that:

This declaration

| The attached application, or

is directed to:

図 United States application or PCT international application number 14/046,155

filed on October 4, 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, (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: Matthias Kleiner Signature:	Date: <u>///29//3</u>
<i>,</i> •	

PATENT REEL: 031907 PRAME: 0061

Title of Invention	
As the below n	amed inventor, I hereby declare that:
This declaratio	n []The attached application, or
is directed to:	[x] United States application or PCT international application number 4年70年6,15日 filed on October 年,2の13
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.
(hereinafter reis desirous of	ASF SE having places of business at: 67056 Ludwigshafen, Germany, interred 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 invent to claim priori Arrangements Patent which r	EREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby, 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 try 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 for 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 , its (his) successors and assigns, to the full end of the term for which said Letters Patent may be lly 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 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 dossible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce propersaid 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. r imprisonment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: Sz	Date: 08/18/2013
Signature:	Julul Cris

PATENT REEL: 031907 FRAME: 0062

Title of Invention		
As the below n	amed inventor, I hereby declare that:	
This declaratio	n [] The attached application, or	
is directed to:	[x] United States application or PCT international application number 447046159 filed on October 4,2013	
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.	
(hereinafter re is desirous of a	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 Pat granted therefore in the United States and its territorial possessions and in any and all fore	
acknowledged the said invent to claim priorit Arrangements Patent which n	EREFORE, for good and valuable consideration the receipt and sufficiency of which is here, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive rightion in the United States and its territorial possessions and in all foreign countries (including the rity under the terms of the International Convention and other relevant International Treaties of from the aforesaid application) and the entire right, title and interest in and to any and all Letter may 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.	it to ight and ters
any and all for the assignee ASSIGNEE(S)	thorize and request the Patent Office Officials in the United States and its territorial possessions areign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) of my entire right, title and interest in and to the same, for the sole use and behoof of sole, its (his) successors and assigns, to the full end of the term for which said Letters Patent may live and entirely as the same would have been held by me had this Assignment and sale not be) as said v be
respecting sai continuation, s and all of said everything pos	gree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to id invention, and testify in any legal proceeding, sign all lawful papers, execute all divisio substitute, renewal and reissue applications, execute all necessary assignment papers to cause d Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally ssible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce prosaid invention in the United States and its territorial possessions and in any and all foreign countries.	nal, any do per
	cknowledge that any willful false statement made in this declaration is punishable under 18 U.S r imprisonment of not more than five (5) years, or both.	3.C.
LEGAL NAME	OF INVENTOR	
Inventor: Die	etmar Posselt Date: 20.03. A	3
Signature:	alderno Possett	

PATENT Stand: 11/2012 REEL: 031907 FRAME: 0063