PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3933243

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUTZ BRAHM	12/19/2013
BURGHARD LIEBMANN	01/14/2014
RONALD WILHELM	01/15/2014
MARKUS GEWEHR	01/16/2014

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:	14443844

CORRESPONDENCE DATA

Fax Number: (919)998-5701

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: 919-998-5700

Email: rkerney@brinksgilson.com **BRINKS GILSON & LIONE Correspondent Name:** 4721 EMPEROR BOULEVARD Address Line 1:

Address Line 2: SUITE 220

Address Line 4: DURHAM, NORTH CAROLINA 27703

ATTORNEY DOCKET NUMBER:	13779-1153
NAME OF SUBMITTER:	JENNIFER L FOX
SIGNATURE:	/Jennifer L Fox 52218/
DATE SIGNED:	06/23/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

PATENT REEL: 038999 FRAME: 0416 source=13779-1153_Assignment_inventors_to_SE#page1.tif
source=13779-1153_Assignment_inventors_to_SE#page2.tif
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source=13779-1153_Assignment_inventors_to_SE#page4.tif

PATENT REEL: 038999 FRAME: 0417

tie of vention	
the below named inventor, I hereby declare that:	
nis declaration [] The attached application, or	
directed to: [X] United States application or PCT international application number PCT/EP2013/073529 filed on 12th November 2013	
e above-identified application was made or authorized to be made by me.	
elleve that I am the original inventor or an original joint inventor of a claimed invention in the application.	
HEREAS, BASF SE having places of business at: 67056 Ludwigshafen, Germany, lereinafter referred to as "ASSIGNEE(S)") desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Pate at may be granted therefore in the United States and its territorial possessions and in any and all foreign untries;	
NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is herel knowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right a said invention in the United States and its territorial possessions and in all foreign countries (including the rig claim priority under the terms of the International Convention and other relevant International Treaties are rangements from the aforesaid application) and the entire right, title and interest in and to any and all Lette stent which may be granted therefor in the United States and its territorial possessions and in any and all foreign untries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.	to ht nd rs
I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions are by and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) are assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said SSIGNEE(S), its (his) successors and assigns, to the full end of the term for which said Letters Patent may the anted, as fully and entirely as the same would have been held by me had this Assignment and sale not becade.	as id be
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to n specting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisionant intinuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause and diall of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally of erything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce propotection for said invention in the United States and its territorial possessions and in any and all foreign countries	al, ny do er
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S. 01 by fine or imprisonment of not more than five (5) years, or both.	S.
GAL NAME OF INVENTOR	
ventor: Lutz Brahm Date: (7, 12, 2013)	, L
gnature:	

PATENT/2012
REEL: 038999 FRAME: 0418

Tial _ x	
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 PCT/EP2013/073529 filed on 12th November 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 that may be g	ASF SE having places of business at: 67056 Ludwigshafen, Germany, iferred 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
countries;	
acknowledged the said invent to claim priori Arrangements Patent which n	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 ion 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 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 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 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 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. imprisonment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: Bu	rghard Liebmann Date:
Ciannima	Literature de la companya della comp

PATENT (2012 REEL: 038999 FRAME: 0419

Title of Invention	
As the below r	arned inventor, I hereby declare that:
This declaration	n [] The attached application, or
is directed to:	[X] United States application or PCT international application number PCT/EP2013/073529 filed on 12th November 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	ASF SE having places of business at: 67056 Ludwigshafen, Germany, iferred 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 prioril Arrangements Patent which n	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 ion in the United States and its territorial possessions and in all foreign countries (including the right by 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 lity and entirely as the same would have been held by me had this Assignment and sale not been
respecting sail 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 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 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 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. imprisonment of not more than five (5) years, or both.
LEGAL NAME	OF INVENTOR
Inventor: Ro	nald Wilhelm Date: 15 04 L014
Signature:	Romadel Wilhelm

PATENT (2012 REEL: 038999 FRAME: 0420

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 PCT/EP2013/073529 filed on 12th November 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: Markus Gewehr Date: 16.01.2019	
Signature: halas fect	

PATENT⁽²⁰¹² REEL: 038999 FRAME: 0421

RECORDED: 06/23/2016

Title of Invention