PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5640438

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
THOMAS SUBKOWSKI	11/19/2012
CLAUS BOLLSCHWEILER	11/19/2012
JENS WITTENBERG	11/22/2012
WOLFGANG SIEGEL	11/22/2012
RALF PELZER	12/03/2012

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:	16524437		

CORRESPONDENCE DATA

Fax Number: (302)467-4201

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: 302-467-4200

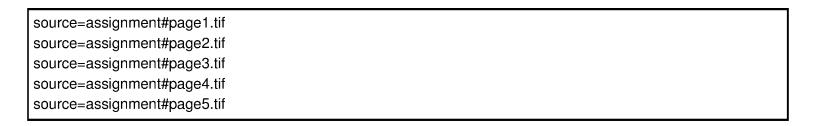
Email: shirley.brooks@dbr.com

Correspondent Name: DRINKER BIDDLE & REATH LLP (WM)
Address Line 1: 222 DELAWARE AVENUE, STE. 1410
Address Line 4: WILMINGTON, DELAWARE 19801-1621

ATTORNEY DOCKET NUMBER:	074012-0227-02CONT(585411		
NAME OF SUBMITTER:	GEOFFREY ZELLEY		
SIGNATURE:	/Geoffrey Zelley/		
DATE SIGNED:	07/29/2019		
	This document serves as an Oath/Declaration (37 CFR 1.63).		

Total Attachments: 5

PATENT REEL: 049886 FRAME: 0116



PATENT REEL: 049886 FRAME: 0117

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

Invention			
As the below named inventor, I hereby declare that:			
This declaration [] The attached application, or			
is directed to:			
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, in consideration of the sum of ONE DOLLAR (\$1.00), 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(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: Thomas Subkowski Date: 19/11/2012			
Signature: 72 SSX'			

Stand: 11/2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Invention					
As the below n	amed inventor, I hereby declare that:				
This declaration	n []The attached application, or				
is directed to:	☑ United States application or PCT international application number 13/623,378 filed on 20th September 2012				
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	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, in consideration of the sum of ONE DOLLAR (\$1.00), 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(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.					
hereby acl 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	OF INVENTOR				
Inventor: Claus	Bollschweiler Date: 19/11/2012				
Signature:	Bollschweiler Date: 19/11/2012				

US Declaration - national - 250346

Title of

Stand; 11/2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

Title of Invention	
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The above-ide	ntified application was made or authorized to be made by me.
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said ASSIGNE possessions are Convention and entire right, title and its territoria	REFORE, in consideration of the sum of ONE DOLLAR (\$1.00), the receipt whereof is hereby and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto E(S), the full and exclusive right to the said invention in the United States and its territorial in all foreign countries (including the right to claim priority under the terms of the International dother relevant International Treaties and Arrangements from the aforesaid application) and the and interest in and to any and all Letters Patent which may be granted therefor in the United States all possessions and in any and all foreign countries and in and to any and all divisions, reissues, substitutions and renewals thereof.
assignee of my its (his) succes	horize and request the Patent Office Officials in the United States and its territorial possessions and ign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as the entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE(S), sors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully the same would have been held by me had this Assignment and sale not been made.
continuation, su and all of said everything post	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	DF INVENTOR
Inventor: Jens I	Wittenberg Date: 22/11/2012
Signature:	Jes (

US Declaration - national - 250346

Stand: 11/2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

<u> </u>	APPLICATION DATA SI	HEET (37 CFR 1. 76)	AND ASSIGNMENT	
Title of Invention				
As the below n	named inventor, I hereby declare th	nat:		
This declaratio	n [] The attached application,	or		
is directed to:	[X] United States application of filed on 20th September 2	or PCT international app 012	olication number 13/623,378	
The above-ide	ntified application was made or au	thorized to be made by	me.	
I believe that I	am the original inventor or an origi	inal joint inventor of a cla	almed invention in the application.	
(nereinatter re	ASF SE having places of business ferred to as "ASSIGNEE(S)")			
is desirous of	acquiring the entire right, title and	I Interest in and to said States and its territoria	invention and in and to any Letters Patent I possessions and in any and all foreign	
NOW, THEREFORE, in consideration of the sum of ONE DOLLAR (\$1.00), 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(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, relssues, continuations, substitutions and renewals thereof.				
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l hereby act 1001 by fine or	knowledge that any willful false s imprisonment of not more than five	tatement made in this re (5) years, or both.	declaration is punishable under 18 U.S.C.	
LEGAL NAME	OF INVENTOR			
Inventor: Wolfg	gang Siegel	\cap	Date: 22/11/2012	
.n.	Coll.	1/5		

US Declaration - national - 250346

Stand: 11/2012

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1. 76) AND ASSIGNMENT

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As the below named inventor, I hereby declare that:

This declaration [] The attached application, or

is directed to:

M United States application or PCT international application number 13/623,378

filed on 20th September 2012

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, in consideration of the sum of ONE DOLLAR (\$1.00), 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(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.

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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: Raif Pelzer

Signature:

Date:

US Declaration - national - 250346

RECORDED: 07/29/2019

Stand: 11/2012

REEL: 049886 FRAME: 0122