### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5297010

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
FREDERIK MENGES	09/01/2015
JENS BRUNS	08/24/2015
DIETER STROBEL	08/24/2015

#### **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:	15326173

#### **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
Correspondent Name: BRINKS GILSON & LIONE
Address Line 1: 4721 EMPEROR BOULEVARD

Address Line 2: SUITE 220

Address Line 4: DURHAM, NORTH CAROLINA 27703

ATTORNEY DOCKET NUMBER:	13779-1327
NAME OF SUBMITTER:	BASHIR M. ALI (REG. NO. 47,939)
SIGNATURE:	/Bashir Ali/
DATE SIGNED:	12/21/2018
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 3**

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PATENT 505250229 REEL: 047843 FRAME: 0349

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PATENT REEL: 047843 FRAME: 0350

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

Title of Invention			
As the below n	named inventor, I hereby declare that:		
This declaratio	on [ ] The attached application, or		
is directed to:	<ul><li>[X] United States application or PCT international application number PCT/EP2015/065178 filed on 03rd July 2015</li></ul>		
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 that may be g	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 Pate granted therefore in the United States and its territorial possessions and in any and all foreign	nt yn	
countries;			
the said inventito claim priorit Arrangements Patent which m	REFORE, for good and valuable consideration the receipt and sufficiency of which is herely it, it, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right it in the United States and its territorial possessions and in all foreign countries (including the right under the terms of the International Convention and other relevant International Treaties are from the aforesaid application) and the entire right, title and interest in and to any and all Lette 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.	to ht	
the assignee of ASSIGNEE(S),	thorize and request the Patent Office Officials in the United States and its territorial possessions ar eign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) a of my entire right, title and interest in and to the same, for the sole use and behoof of sa its (his) successors and assigns, to the full end of the term for which said Letters Patent may be by and entirely as the same would have been held by me had this Assignment and sale not bee	id	
continuation, su and all of said everything possi protection for sa	gree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to med 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 Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally disible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce properties aid invention in the United States and its territorial possessions and in any and all foreign countries	ıl, ıy o er	
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 (	OF INVENTOR	1	
Inventor: Free	derik Menges 01. SEP. 2015 Date:		
Signature:	F-12/3		

PATENT REEL: 047843°FRAME: 0351

## 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 declaratio	n []The attached application, or
is directed to:	<ul><li>[X] United States application or PCT international application number PCT/EP2015/065178 filed on 03rd July 2015</li></ul>
The above-ide	ntified application was made or authorized to be made by me.
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 ranted therefore in the United States and its territorial possessions and in any and all foreign
the said inventi to claim priorit Arrangements Patent which m	REFORE, 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 on in the United States and its territorial possessions and in all foreign countries (including the right y 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 and to any and all divisions, reissues, continuations, substitutions and renewals thereof.
the assignee of ASSIGNEE(S),	horize and request the Patent Office Officials in the United States and its territorial possessions and eign 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 y and entirely as the same would have been held by me had this Assignment and sale not been
continuation, su and all of said everything pose protection for sa	ree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ibstitute, 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	mowledge 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	s Bruns Date: 2 4. AUG. 2015
Signature:	/des / la.
<del></del>	

PATENT REEL: 047843°FR'A'ME: 0352

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

Title of Invention	
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/EP2015/065178 filed on 03rd July 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.	
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: Dieter Strobel  Date: 2 4. AUG. 2015	
Signature: Out St	

PATENT REEL: 047843 FRAME: 0353