09/18/2018 505098427

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5145187

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ANDY WIEJA	06/12/2015
CHRISTIAN WINTER	06/12/2015
CLAUDIA ROSENBAUM	06/12/2015
DORIS KREMZOW-GRAW	06/17/2015
FRANZ ROEHL	06/17/2015
JOACHIM RHEINHEIMER	07/07/2015
MANOJKUMAR POONOTH	06/10/2015
VIOLETA TERTERYAN	10/09/2015
EGON HADEN	06/19/2015
ANA ESCRIBANO CUESTA	07/09/2015
JANOSCH HARALD ACHENBACH	07/09/2015
TOBIAS MENTZEL	06/22/2015
CHRISTINE WIEBE	07/13/2015

#### **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:	15316399

### **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

PATENT

REEL: 046895 FRAME: 0023 505098427

Address Line 2: Address Line 4:		E 220 HAM, NORTH CAROLINA 27703
ATTORNEY DOCKET NUMBER	:	13779-1322
NAME OF SUBMITTER:		BASHIR M. ALI (REG. NO. 47,939)

	This document serves as an Oath/Declaration (37 CFR 1.63).
DATE SIGNED:	09/18/2018
SIGNATURE:	/Bashir Ali/
NAME OF SUBMITTER:	BASHIR M. ALI (REG. NO. 47,939)
ATTORNEY DOCKET NUMBER:	13779-1322

### **Total Attachments: 13**

source=13779-1322\_2018-09-17\_Declarations-Assignments#page1.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page2.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page3.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page4.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page5.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page6.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page7.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page8.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page9.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page10.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page11.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page12.tif source=13779-1322\_2018-09-17\_Declarations-Assignments#page13.tif

PATENT REEL: 046895 FRAME: 0024

Title of 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/EP2015/062100 filed on 01st June 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	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			
acknowledged, the said invent 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 ion 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 hay 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.			
any and all for the assignee ( ASSIGNEE(S),	thorize 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 ly and entirely as the same would have been held by me had this Assignment and sale not been			
respecting said continuation, si 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 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.			
	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: And	dy Wieja Date: <u> イス. <i>J une えの</i></u> ず			
Signature:	poly lega			

Title of Invention				
As the below named inventor, I hereby declare that:				
This declaration	This declaration [ ] The attached application, or			
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acknowledged the said invent to claim priorit Arrangements Patent which n	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 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 have be granted therefor in the United States and its territorial possessions and in any and all foreign n 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 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 ly 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.				
I hereby ac 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: Chi	ristian Winter  Date: 12 Jan. 2015			
Signature:	Christa Water			

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 PCT/EP2015/062100 filed on 01st June 2015
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respecting said continuation, st and all of said everything pos	gree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me dinvention, 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 distinct 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.
	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
	Date 10 10 10 10 10 10 10 10 10 10 10 10 10
Signature:	

Title of Invention				
As the below named inventor, I hereby declare that:				
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is directed to:	<ul><li>[X] United States application or PCT international application number PCT/EP2015/062100 filed on 01st June 2015</li></ul>			
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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.				
	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: Do	ris Kremzow-Graw Date: 👫 ກໍາ ເຂົ້າ ວິດເຮື			
Signature:	Oca Total Control of the Control of			

Title of Invention			
As the below r	named inventor, I hereby declare that:		
This declaration	on [] The attached application, or		
is directed to:	[X] United States application or PCT international application number PCT/EP2015/062100 filed on 01st June 2015		
The above-ide	ntified application was made or authorized to be made by me.		
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	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: Fra	anz Röhl Date: 47: June 2015		
Signature:	F. V.		

PATENT, 11/2012 REEL: 046895 FRAME: 0029

Title of Invention		
As the below r	amed inventor, I hereby declare that:	
This declaration	n [] The attached application, or	
is directed to:	[X] United States application or PCT international application number filed on 01st June 2015	PCT/EP2015/062100
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 i	n the application.
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respecting said continuation, s and all of said everything pos	gree that I will communicate to said ASSIGNEE(S) or its (his) representative invention, and testify in any legal proceeding, sign all lawful paper ubstitute, renewal and reissue applications, execute all necessary assigns at Letters Patent to be issued to said ASSIGNEE(S), make all rightful saible to aid said ASSIGNEE(S), its (his) successors and assigns, to o aid invention in the United States and its territorial possessions and in any	s, execute all divisional, ment papers to cause any oaths, and, generally do btain and enforce proper
	knowledge that any willful false statement made in this declaration is purimprisonment of not more than five (5) years, or both.	nishable under 18 U.S.C.
LEGAL NAME	OF INVENTOR	
Inventor: Jos	achìm Rheinheimer	Date: 7 July 10 5
Signature:	Jone Rule	

PATENT Stand: 11/2012 REEL: 046895 FRAME: 0030

Title of Invention		
As the below r	named inventor, I hereby declare that:	
This declaration	n [ ] The attached application, or	
is directed to:	<ul><li>[X] United States application or PCT international application number PCT/EP2015/062100 filed on 01st June 2015</li></ul>	
The above-ide	ntified application was made or authorized to be made by me.	
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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.		
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, 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.	
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: Ma	nojkumar Poonoth	
	Date:10-06-2015	
Signature: M	andkumar Poonoth Dork	

PATEN:T<sub>1/2012</sub>
REEL: 046895 FRAME: 0031

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/EP2015/062100 filed on 01st June 2015</li></ul>				
The above-ide	The above-identified application was made or authorized to be made by me.				
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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: Vio	oleta Terteryan				
	Date:				
Signature:	0.70/2-				

Title of Invention				
As the below named inventor, I hereby declare that:				
This declaration [ ] The attached application, or				
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LEGAL NAME OF INVENTOR				
Inventor: Egon Haden  Date: 146 2075				
Signature:				

PATENT REEL: 046895 FRAME: 0033

PATENT<sub>11/2012</sub> REEL: 046895 FRAME: 0034

Title of Invention				
As the below r	named inventor, I hereby declare that:			
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LEGAL NAME	OF INVENTOR			
Inventor: Jai	nosch Harald Achenbach  Date: 1 July 2019			
Signature:	720			

PATENT, REEL: 046895 FRAME: 0035

Invention			
As the below named inventor, I hereby declare that:			
This declaration	n [ ] The attached application, or		
is directed to:	<ul><li>[X] United States application or PCT international application number PCT/EP2015/062100 filed on 01st June 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.			
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.			
respecting said 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 do said 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: To	bias Mentzel Date: <u>๔๘ ปุ่นผยิ</u> 20 ธ		
Signature:			

Invention			
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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: Ch	ristine Wiebe  Date: 13 10 19		
Signature:			

PATENT Stand: 11/2012 REEL: 046895 FRAME: 0037