### 503486264 09/18/2015

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3532889

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JAN KLAAS LOHMANN	04/08/2014
EGON HADEN	04/15/2014
DIETER STROBEL	05/08/2014
SIEGFRIED STRATHMANN	09/08/2014
MARTIN SEMAR	05/05/2014
FREDERIK MENGES	05/17/2014
NADEGE BOUDET	08/25/2014

#### **RECEIVING PARTY DATA**

Name:	BASF AGRO B.V.
Street Address:	GRONINGENSINGEL 1
City:	ARNHEM
State/Country:	NETHERLANDS
Postal Code:	6835

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14653578

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

Address Line 2: SUITE 220

Address Line 4: DURHAM, NORTH CAROLINA 27703-8579

ATTORNEY DOCKET NUMBER:	13779-1162
NAME OF SUBMITTER:	BASHIR M. ALI, REG. NO. 47939
SIGNATURE:	/Bashir Ali/
DATE SIGNED:	09/18/2015

503486264 PATENT REEL: 036601 FRAME: 0447

	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 7	
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PATENT REEL: 036601 FRAME: 0448

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 interrified on 18th December 2013	national application number PCT/EP2013/077081
The above-identified application was made or authorized to be	e made by me.
I believe that I am the original inventor or an original joint inve	entor of a claimed invention in the application.
WHEREAS, BASF Agro B.V. having places of business at: G (hereinafter referred to as "ASSIGNEE(S)") is desirous of acquiring the entire right, title and interest in a that may be granted therefore in the United States and it countries;	and to said invention and in and to any Letters Patent
NOW, THEREFORE, for good and valuable consideral acknowledged, I, by these presents do assign and transfer u the said invention in the United States and its territorial posset to claim priority under the terms of the International Convergements from the aforesaid application) and the entire Patent which may be granted therefor in the United States are countries and in and to any and all divisions, reissues, continuations.	nto said ASSIGNEE(S), the full and exclusive right to essions and in all foreign countries (including the right ention and other relevant International Treaties and right, title and interest in and to any and all Letters and its territorial possessions and in any and all foreign
I hereby authorize and request the Patent Office Officials i any and all foreign countries to issue any and all of said Let the assignee of my entire right, title and interest in and ASSIGNEE(S), its (his) successors and assigns, to the full e granted, as fully and entirely as the same would have been made.	tters Patent, when granted, to said ASSIGNEE(S) as to the same, for the sole use and behoof of said and of the term for which said Letters Patent may be
Further, I agree that I will communicate to said ASSIGNEE respecting said invention, and testify in any legal proceed continuation, substitute, renewal and reissue applications, exand all of said Letters Patent to be issued to said ASSIGNEE(S), its (his) sucprotection for said invention in the United States and its territo	ding, sign all lawful papers, execute all divisional, ecute all necessary assignment papers to cause any iNEE(S), make all rightful oaths, and, generally do cessors and assigns, to obtain and enforce proper
I hereby acknowledge that any willful false statement made 1001 by fine or imprisonment of not more than five (5) years, or	de in this declaration is punishable under 18 U.S.C. or both.
LEGAL NAME OF INVENTOR	
Inventor: Jan Klaas Lohmann	Date: 814 2014
$\alpha$	Date:
Signature:	,
Signature.	

PATENT REEL: 0366011年代AME: 0449

Title of

Invention		
As the below named inventor, I hereby declare that:		
This declaratio	This declaration [ ] The attached application, or	
is directed to:	[X] United States application or PCT international application number PCT/EP2013/077081 filed on 18th December 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.	
WHEREAS, BA	ASF Agro B.V. having places of business at: Groningensingel 1, 6835 EA Arnheim, Netherlands,	
is desirous of a that may be g countries;	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 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 may 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 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 ally and entirely as the same would have been held by me had this Assignment and sale not been	
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 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 propertaid 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: Eg	on Haden  Date: 15,4.64  Date: 15,4.64	
Signature:	GOU JUILLE	

PATENT REEL: 0366011 FRAME: 0450

Title of Invention		
	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/EP2013/077081 filed on 18th December 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 Agro B.V. having places of business at: Groningensingel 1, 6835 EA Arnheim, Netherlands, interest 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.	
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 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 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.	
	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: Die	eter Strobel Date: <u>08.05. 2014</u>	
Signature:	Dute Str	

PATENT REEL: 0366011 FRAME: 0451

itle of nvention		
As the below named inventor, I hereby declare that:		
This declaration [ ] The attached application, or		
directed to: [X] United States application or PCT international application number PCT/EP2013/077081 filed on 18th December 2013		
he above-identified 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.		
VHEREAS, BASF Agro B.V. having places of business at: Groningensingel 1, 6835 EA Arnheim, Netherlands, hereinafter 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 Patent hat may be granted therefore in the United States and its territorial possessions and in any and all foreign ountries;		
NOW, THEREFORE, for good and valuable consideration the receipt and sufficiency of which is hereby cknowledged, I, by these presents do assign and transfer unto said ASSIGNEE(S), the full and exclusive right to be said invention in the United States and its territorial possessions and in all foreign countries (including the right or claim priority under the terms of the International Convention and other relevant International Treaties and irrangements from the aforesaid application) and the entire right, title and interest in and to any and all Letters eatent 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 ny and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE(S) as ne 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 be ranted, as fully and entirely as the same would have been held by me had this Assignment and sale not been nade.		
Further, I agree that I will communicate to said ASSIGNEE(S) or its (his) representatives any facts known to me especting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, ontinuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any nd all of said Letters Patent to be issued to said ASSIGNEE(S), make all rightful oaths, and, generally do verything possible to aid said ASSIGNEE(S), its (his) successors and assigns, to obtain and enforce proper rotection 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. 001 by fine or imprisonment of not more than five (5) years, or both.		
EGAL NAME OF INVENTOR		
eventor: Siegfried Strathmann  Date: 8,9,0019		
ignature: 120 1 12		

PATENT REEL: 036601 FRAME: 0452

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/EP2013/077081 filed on 18th December 2013		
The above-ide	ntified application was made or authorized to be made by me.		
I believe that I	I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
(hereinafter re	ASF Agro B.V. having places of business at: Groningensingel 1, 6835 EA Arnheim, Netherlands, 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 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.		
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 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 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.		
	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: Ma	rtin Semar		
	Date:		
Signature:			

PATENT REEL: 0366011FRAME: 0453

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/EP2013/077081 filed on 18th December 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 Agro B.V. having places of business at: Groningensingel 1, 6835 EA Arnheim, Netherlands, (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.		
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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.		
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: Frederik Menges  Date: 17.5.7.19		
Signature:		

PATENT REEL: 0366011FRAME: 0454

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/EP2013/077081 filed on 18th December 2013</li></ul>
The above-identified application was made or authorized to be made by me.	
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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.
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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: Na	idege Boudet
	Date:
Signature:	

PATENT REEL: 0366011FRAME: 0455