### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4009297

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                  | Execution Date |
|-----------------------|----------------|
| BERND BASTIAN SCHAACK | 02/03/2015     |
| MARTIN BOCK           | 02/04/2015     |
| KIRSTEN DAHMEN        | 02/03/2015     |

#### **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: | 15103652 |

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)413-2220

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.

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| ATTORNEY DOCKET NUMBER:        | 472455US106PCT   |
|--------------------------------|--|
| NAME OF SUBMITTER:             | JENNA HORN   |
| SIGNATURE:                     | /Jenna Horn/   |
| <b>DATE SIGNED:</b> 08/16/2016 |  |
|                                | This document serves as an Oath/Declaration (37 CFR 1.63). |

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

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PATENT 503962642 REEL: 039457 FRAME: 0213

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

| Title of<br>Invention   |   |  |
|---|---|--|
| As the below r  | named inventor, I hereby declare that:  |  |
| This declaration  | on [] The attached application, or  |  |
| is directed to:   | <ul><li>[X] United States application or PCT international application number<br/>filed on 10th December 2014</li></ul>   | PCT/EP2014/077121  |
| 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   | ASF SE having places of business at: 67056 Ludwigshafen, Germany, aferred to as "ASSIGNEE(S)") acquiring the entire right, title and interest in and to said invention and ingranted therefore in the United States and its territorial possessions a   | and to any Letters Patent<br>nd in any and all foreign   |
| acknowledged<br>the said inven<br>to claim priori<br>Arrangements<br>Patent which i | EREFORE, for good and valuable consideration the receipt and suffice it, I, by these presents do assign and transfer unto said ASSIGNEE(S), the strict in the United States and its territorial possessions and in all foreign control to the terms of the International Convention and other relevant from the aforesaid application) and the entire right, title and interest in may be granted therefor in the United States and its territorial possessions in and to any and all divisions, reissues, continuations, substitutions and re- | e full and exclusive right to<br>puntries (including the right<br>International Treaties and<br>and to any and all Letters<br>and in any and all foreign |
| any and all fo<br>the assignee<br>ASSIGNEE(S)                                       | Ithorize and request the Patent Office Officials in the United States and its reign countries to issue any and all of said Letters Patent, when granted of my entire right, title and interest in and to the same, for the sole, its (his) successors and assigns, to the full end of the term for which s liy and entirely as the same would have been held by me had this Assignance.   | to said ASSIGNEE(S) as use and behoof of said aid Letters Patent may be  |
| respecting sa<br>continuation, s<br>and all of sai<br>everything po-                | gree that I will communicate to said ASSIGNEE(S) or its (his) representation in the same substitute, renewal and reissue applications, execute all necessary assign determined to be issued to said ASSIGNEE(S), make all rightful assible to aid said ASSIGNEE(S), its (his) successors and assigns, to estaid invention in the United States and its territorial possessions and in any   | ment papers to cause any caths, and, generally do obtain and enforce proper  |
|   | cknowledge that any willful false statement made in this declaration is problem in the control of not more than five (5) years, or both.  | unishable under 18 U.S.C.  |
| LEGAL NAME  | OF INVENTOR   |  |
| Inventor: Be  | ernd Bastian Schaack  | Date: <u>03.02.20</u>  |
| Signature   | 5322  |  |

# 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/EP2014/077121 filed on 10th December 2014  |
| 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: Martin Bock Date: 1/07/70/5  |
| Signature:   |

## 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:   | [X] United States application or PCT international application number PCT/EP2014/077121 filed on 10th December 2014   |
| 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   | 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<br>the said invent<br>to claim priorii<br>Arrangements<br>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 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 hay 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<br>the assignee<br>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 live 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. |   |
|   | knowledge that any wiliful 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: Kir   | sten Dahmen Date: 3.02.20/1   |
| Signature:/   |   |

PATENT 1/2012 REEL: 039457 FRAME: 0216

US Deciaration - national - 250346
RECORDED: 08/16/2016