502621618 01/06/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2668227

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| GERD GRUBERT | 11/05/2013 |
| TORSTEN NEUBAUER | 11/05/2013 |
| ALFRED PUNKE | 11/05/2013 |
| MARCUS HILGENDORFF | 11/05/2013 |

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: | 14076663 | | | | |

CORRESPONDENCE DATA

Fax Number: (732)815-1330 Phone: 7328150404

Email: spedersen@dsiplaw.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: SERVILLA WHITNEY LLC

Address Line 1: 33 WOOD AVENUE SOUTH

Address Line 2: SECOND FLOOR, SUITE 210

Address Line 4: ISELIN, NEW JERSEY 08830

| ATTORNEY DOCKET NUMBER: | BSE0166-00US |
|-------------------------|------------------|
| NAME OF SUBMITTER: | REBECCA A. SMIRK |

PATENT REEL: 031894 FRAME: 0462

502621618

| Signature: | /Rebecca A. Smirk, Reg. No. 61,295/ | | | |
|--|-------------------------------------|--|--|--|
| Date: | 01/06/2014 | | | |
| Total Attachments: 4 source=00406913#page1.tif source=00406913#page2.tif source=00406913#page3.tif source=00406913#page4.tif | | | | |

PATENT REEL: 031894 FRAME: 0463

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

| Title of Invention | Oxidation Catalyst And Method For Its Preparation | | | | | | |
|---|--|--|--|--|--|--|--|
| As the below r | As the below named inventor, I hereby declare that: | | | | | | |
| This declaration | This declaration [] The attached application, or | | | | | | |
| is directed to: [X] United States application or PCT international application number 14/076663 filed on November 11, 2013 | | | | | | | |
| The above-ide | ntified application was made or authorized to be made by me. | | | | | | |
| believe that | 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; | | | | | | |
| acknowledged the said invent to claim prioril Arrangements Patent which n | 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. | | | | | | | |
| | 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: Ge | rd Grubert Date: OS 117817 | | | | | | |
| Signatura: | | | | | | | |

PATENT/2012
REEL: 031894 FRAME: 0464

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

| Title of Invention | Oxidation Galayst And Method For Its Preparation | | | | | |
|---|--|--|--|--|--|--|
| 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 14/076663 filed on November 11, 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, 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; | | | | | | |
| acknowledged the said invent to claim priorit Arrangements Patent which n | 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: Tor | sten Neubauer Date: 05/1/17/201 | | | | | |
| Signature: | Tanky / Mandillen | | | | | |

PATENT/2012

REEL: 031894 FRAME: 0465

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

| Invention Oxidation Catalyst And Method For Its Preparation |
|--|
| 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 14/076663 filed on November 11, 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 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: Alfred Punke Date: 15.11.2013 |
| Signature: Aller Of Transley |

PATENT/2012 REEL: 031894 FRAME: 0466

Title of

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

| Invention | Oxidation | Gtalyst | And | Method | for | lts | Prepai | ration |
|--|---|---------------------------------|-------------|-----------------|---|---------|--|---------|
| As the below n | amed inventor, I her | eby declare that | ir | | *************************************** | | ······································ | |
| This declaration | n [] The attache | d application, or | | | | | | |
| is directed to: [X] United States application or PCT international application number 14/076663 filed on November 11, 2013 | | | | | | | | |
| The above-ider | ntified application wa | is made or autho | orized to | be made by n | ne. | | | |
| I believe that I | am the original inver | ntor or an origina | ıl joint in | ventor of a cla | imed inv | vention | in the appli | cation. |
| (hereinafter re is desirous of a | ASF SE having place ferred to as "ASSIG acquiring the entire tranted therefore in | NEE(S)") right, title and in | terest in | and to said in | vention | and in | | |
| 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: Ma | rcus Hilgendorff | | | | | | Date: | 11.2013 |
| Signature: | lacus Vilfa | derf | | | | | ~~~ | |

US Declaration - national - 250346

PATENT 1/2012 **REEL: 031894 FRAME: 0467**

RECORDED: 01/06/2014