502421011 07/16/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------------|----------------|
| TOMOKI TSUCHIYA | 06/05/2013 |
| PIERRE WASNAIRE | 06/06/2013 |
| SEBASTIAN HOFFMANN | 06/13/2013 |
| PIERRE CRISTAU | 06/05/2013 |
| THOMAS SEITZ | 06/25/2013 |
| JOACHIM KLUTH | 06/15/2013 |
| STEFAN HILLEBRAND | 06/05/2013 |
| JUERGEN BENTING | 06/05/2013 |
| DANIELA PORTZ | 06/05/2013 |
| ULRIKE WACHENDORFF-NEUMANN | 06/11/2013 |

RECEIVING PARTY DATA

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| City: | MONHEIM | |
| State/Country: | GERMANY | |
| Postal Code: | 40789 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number | |
|---------------------|----------|--|
| Application Number: | 13993262 | |

CORRESPONDENCE DATA

502421011

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

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PATENT

REEL: 030806 FRAME: 0164

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| ATTORNEY DOCKET NUMBER: | 2923343-081000 | | |
| NAME OF SUBMITTER: | Shazi Jiang | | |
| Signature: | /Shazi Jiang/ | | |
| Date: | 07/16/2013 | | |
| Total Attachments: 27 | | | |
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PATENT REEL: 030806 FRAME: 0165

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Docket No.: 2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below: and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monheim, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

| Asab | elow named inventor, I here | by dea | lare t | hat this assignment with declaration is directed to: |
|------|-----------------------------|--------|--------|---|
| | The attached application, | OR | Ø | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). |
| | PRE-AIA | | | |
| | | | | citizenship are as stated below next to my name. I believe the inventor(s) named below to if the subject matter which is claimed and for which a patent is sought on the invention |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

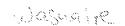
☑ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. Sec 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

[Page 1]

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

| NAME OF SOLE OR FIRST INVENTOR: | 000000000000000000000000000000000000000 | × | 000000 | |
|---|---|--|-----------|--|
| Given Name | | | | |
| (first and middle (if any)) Tomoki | Family Name or Surna | ne | TSUCHIYA | |
| Inventor's signature £1225 | | Date 5 | June 2013 | |
| Residence: Lyon, France | | Citizenship | Japan | |
| Mailing Address: 2 Rue Rivet, 69001, Lyon, France | | | | |
| NAME OF SECOND INVENTOR: | | ridocono con contrata de la constanta de la co | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Surna | ne | WASNAIRE | |
| Inventor's signature | | Date | | |
| Residence: Duesseldorf, Germany | 172B/11-571 | Citizenship | Belgium | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | |
| NAME OF THIRD INVENTOR: | · | | | |
| Given Name (first and middle [if any]) Sebastian | Family Name or Surna | ne | HOFFMANN | |
| inventor's signature | EXERCISE AND AN AND AND | Date | | |
| Residence: Neuss, Germany | ************************************* | Citizenship | Germany | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | | | | |
| NAME OF FOURTH INVENTOR: | 0g000000000000000000000000000000dd 3333333 33 | | | |
| Given Name | Family Name or Surnam | e C | RISTAU | |
| Inventor's signature | | Date | | |
| Residence: Lyon, France | | Citizenship | France | |
| Mailing Address: 4 Rue Marietton, F-69009 Lyon, France | | | | |
| NAME OF FIFTH INVENTOR: | | | | |
| Given Name (first and middle [if any]) Thomas | Family Name or Surnam | e Si | errz | |
| Inventor's signature | | Date | | |
| Residence: Langenfeld, Germany | | Citizenship | Сегтану | |
| Mailing Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | |

| NAME OF SIXTH INVENTOR: | | | | | |
|--|--|---|---|--|--|
| Given Name (first and middle [if any]) Joachim | Family Name or Surnar | ne | KLUTH | | |
| Inventor's signature | | Date | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | 000000000000000000000000000000000000000 | | | | |
| NAME OF SEVENTH INVENTOR: | , | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Suman | ne | HILLEBRAND | | |
| Inventor's signature | | Date | | | |
| Residence: Neuss, Germany | and a second | Citizenship: | Germany | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | | | | |
| NAME OF EIGHTH INVENTOR: | | | *************************************** | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnar | កខ | BENTING | | |
| Inventor's signature | | Date | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | | | | | |
| NAME OF NINTH INVENTOR: | | *************************************** | | | |
| Given Name (first and middle (if anyj) Daniela | Family Name or Surnar | ne | PORTZ | | |
| Inventor's signature | MANAGA MA | Date | waa | | |
| Residence: Vettweiss, Germany | A-2000 | Citizenship: | Germany | | |
| Mailing Address: Talstr. 11, 52391 Vottweiss, Germany | | | | | |
| NAME OF TENTH INVENTOR: | | | | | |
| Given Name (first and middle [if any]) Ulrike | Family Name or Sumar | ne | WACHENDORFF- NEUMANN | | |
| Inventor's signature | | Date | | | |
| Residence: Neuwied, Germany | | Citizenship: | Germany | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | |



Docket No.:2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monthelm, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

| Asab | elow named inventor, I here | by de | clare t | hat this assignment with declaration is directed to: |
|------|-----------------------------|-------|---------|---|
| | The attached application, | OR | Ø | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). |

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

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I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

[2] If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

| NAME OF SOLE OR FIRST INVENTOR: | ————————————————————————————————————— | | | | |
|--|--|--|--|--|--|
| Given Name | | | | | |
| (first and middle [if any]) Tomoki | Family Name or Surname TSUCHIYA | | | | |
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| Inventor's signature | Date | | | | |
| | rotat 1 T | | | | |
| Residence: Duesseldorf, Germany | Citizenship Japan | | | | |
| Markey Address Comment of ACCOT Duagration Comments | | | | | |
| Mailing Address: Sonnenstr. 64, 40227 Duesseldorf, Germany | ······································ | | | | |
| NAME OF SECOND INVENTOR: | *************************************** | | | | |
| Given Name (first and middle lif anyl) Pierre | Family Name or Surname WASNAIRE | | | | |
| (first and middle [if any]) Pierre | Failing Haine of Surfaces | | | | |
| Inventor's signature Women's | Date 06/06/2013 | | | | |
| mychol s signame | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Belgium | | | | |
| 2 | | | | | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | | |
| NAME OF THIRD INVENTOR: | 000000000000000000000000000000000000000 | | | | |
| Given Name | | | | | |
| (first and middle [if any]) Sebastian | Family Name or Surname HOFFMANN | | | | |
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| Inventor's signature | Date | | | | |
| A STATE OF THE STA | | | | | |
| Residence: Neuss, Germany | Citizenship Germany | | | | |
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| Mailing Address: Farnweg 7, 41470 Neuss, Germany | | | | | |
| NAME OF FOURTH INVENTOR: | | | | | |
| Given Name | | | | | |
| (first and middle [if any]) Pierre | Family Name or Surname CRISTAU | | | | |
| Inventor's | | | | | |
| signature | Date | | | | |
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| Residence: Lyon, France | Citizenship France | | | | |
| Malling Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | |
| NAME OF FIFTH INVENTOR: | 0,000 | | | | |
| | | | | | |
| Given Name (first and middle [if any]) Thomas | Family Name or Surname SEITZ | | | | |
| Inventor's | | | | | |
| signature | Date | | | | |
| | | | | | |
| Residence: Langenfeld, Germany | Citizenship Germany | | | | |
| Mailing | | | | | |
| Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | |

[Page 2]

| NAME OF SIXTH INVENTOR: | ~~~~ | | | | |
|--|---|---|--|--|--|
| Given Name (first and middle [if any]) Joschim | Family Name or Surnan | ne | KLUTH | | |
| Inventor's signature | | Date | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | | | | |
| NAME OF SEVENTH INVENTOR: | | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnan | 16 | HILLEBRAND | | |
| Inventor's signature | | Date | | | |
| Residence: Neuss, Germany | | Citizenship: | Germany | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | *************************************** | | 00000000000000000000000000000000000000 | | |
| NAME OF EIGHTH INVENTOR: | , | | THE THE PARTY OF T | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnan | 1e | BENTING | | |
| Inventor's signature | | Date | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | *************************************** | 000000000000000000000000000000000000000 | 00000010000000000000000000000000000000 | | |
| NAME OF NINTH INVENTOR: | | | | | |
| Given Name (first and middle [if any]) Daniela | Family Name or Surnam | £ . | PORTZ | | |
| Inventor's signature | | Date | | | |
| Residence: Vettweiss, Germany | | Citizenship: | Germany | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | |
| NAME OF TENTH INVENTOR: | *************************************** | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | |
| Given Name (first and middle [if any]) Ulrike | Family Name or Surnam | e | WACHENDORFF- NEUMANN | | |
| Inventor's signature Date | | | | | |
| Residence: Neuwied, Germany Citizenship: Germany | | | | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | |

Holfman.

Docket No.:2923343-081000

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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| $\frac{1}{2}$ | | | | | | |
|---|---|--|--|--|--|--|
| NAME OF SOLE OR FIRST INVENTOR: | | | | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Tomoki | Family Name or Surname TSUCHIYA | | | | | |
| | | | | | | |
| Inventor's signature | Date | | | | | |
| | | | | | | |
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| NAME OF SECOND INVENTOR: | | | | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Pierre | Family Name or Surname WASNAIRE | | | | | |
| AND | \ \tag{\tag{\tag{\tag{\tag{\tag{\tag{ | | | | | |
| Inventor's signature | Date | | | | | |
| X | | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Belgium | | | | | |
| | 333000000000000000000000000000000000000 | | | | | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | | | |
| ************************************** | | | | | | |
| NAME OF THIRD INVENTOR: | | | | | | |
| Given Name | D. M. N | | | | | |
| (first and middle [if any]) Sebastián | Family Name or Surname HOFFMANN | | | | | |
| | Date 13.06.2015 | | | | | |
| Inventor's signature | Date 703. Ox (C71 ,) | | | | | |
| // | | | | | | |
| Residence: Neuss, Germany | Citizenship Germany | | | | | |
| | | | | | | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | | | | | | |
| NAME OF FOURTH INVENTOR: | | | | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Pierce | Family Name or Surname CRISTAU | | | | | |
| Inventor's | | | | | | |
| signature | Date | | | | | |
| | | | | | | |
| Residence: Lyon, France | Citizenship France | | | | | |
| Mailing | | | | | | |
| Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | | |
| NAME OF FIFTH INVENTOR: | 000000000000000000000000000000000000000 | | | | | |
| | | | | | | |
| Given Name (first and middle [if any]) Thomas | Family Name or Surname SEITZ | | | | | |
| | x constant y x december of the party of the | | | | | |
| Inventor's signature | Date | | | | | |
| J. G. P. | E/AUG | | | | | |
| Residence: Langenfeld, Germany | Citizenship Germany | | | | | |
| | і Спасныяр Оставну | | | | | |
| Mailing Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | | |
| Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | | |

| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | | |
|--|---|--------------------------|---|--|--|--|
| HAME OF SIXTH INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Joachim | Family Name or Surnam | 18 | KLUTH | | | |
| Inventor's signature | | Date | | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | | | | | |
| NAME OF SEVENTH INVENTOR: | ····· | | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnan | 3 e | HILLEBRAND | | | |
| Inventor's signature | | Date | | | | |
| Residence: Neuss, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | ************************ | | | | |
| NAME OF EIGHTH INVENTOR: | | | *************************************** | | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnam | 1C | BENTING | | | |
| Inventor's signature | | Date | | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | | | | | | |
| NAME OF NINTH INVENTOR: | , | | | | | |
| Given Name (first and middle [if any]) Daniela | Family Name or Surnan | ie | PORTZ | | | |
| Inventor's signature Date | | | | | | |
| Residence: Vettweiss, Germany Citizenship: Germany | | | | | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | | |
| name of tenth inventor: | | | | | | |
| Given Name (first and middle [if any]) Ulriko | Family Name or Surnan | 18 | WACHENDORFF- NEUMANN | | | |
| Inventor's signature | | Date | | | | |
| Residence: Neuwied, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | | |

Cristan

Docket No.:2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monheim, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

| As a below named inventor, I hereby declare that this assignment with declaration is directed to: | | | | | | | |
|---|---------------------------|----|--|---|--|--|--|
| | The attached application, | OR | | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). | | | |

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

[2] If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

In accordance with 37 CPR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Pennit Access to Application by Participating Office.

| NAME OF SOLE OR FIRST INVENTOR: | 7,000 | | | | | |
|---|---------------------------------|--|--|--|--|--|
| Given Name | | | | | | |
| (first and middle [if any]) Tomoki | Family Name or Sumame TSUCHIYA | | | | | |
| Inventor's signature | Date | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Japan | | | | | |
| Mailing Address: Sonnenstr. 64, 40227 Duesseldorf, Germany | | | | | | |
| NAME OF SECOND INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Surname WASNAIRE | | | | | |
| Inventor's signature | Date | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Belgium | | | | | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | | | |
| NAME OF THIRD INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Sebastian | Family Name or Surname HOPFMANN | | | | | |
| inventor's signature | Date | | | | | |
| Residence: Neuss, Germany | Citizenship Germany | | | | | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | | | | | | |
| NAME OF FOURTH INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Surname CRISTAU | | | | | |
| Inventor's signature | Date 2013-06-05 | | | | | |
| Residence: Lyon, France Citizenship France | | | | | | |
| Mailing Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | | |
| NAME OF FIFTH INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Thomas | Family Name or Surname SEITZ | | | | | |
| inventor's signature | Date | | | | | |
| Residence: Langenfeld, Germany | Citizenship Germany | | | | | |
| Mailing Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | | |

| MANAGE 0.00000000000000000000000000000000000 | | | | | | | |
|--|-----------------------|--------------|--|--|--|--|--|
| NAME OF SIXTH INVENTOR: | | | | | | | |
| Given Name (first and middle [if any]) Joschim | Family Name or Surnan | 30 | KLUTH | | | | |
| Inventor's signature | | Date | | | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | | | | | | |
| NAME OF SEVENTH INVENTOR: | | | | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnam | 1e | HILLEBRAND | | | | |
| Inventor's signature | | Date | | | | | |
| Residence: Neuss, Germany | | Citizenship: | Gormany | | | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | | | | | | |
| name of eighth inventor: | , | | | | | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnan | 18 | BENTING | | | | |
| Inventor's signature | | Date | | | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | | | | | | | |
| name of ninth inventor: | | | | | | | |
| Given Name (first and middle [if any]) Daniela | Family Name or Surnan | 10 | PORTZ | | | | |
| Inventor's signature | **** | Date | | | | | |
| Residence: Vettweiss, Germany Citizenship: Germany | | | | | | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | | | |
| NAME OF TENTH INVENTOR: | | | ······································ | | | | |
| Given Name (first and middle [if any]) Ulrike | Family Name or Surnan | 16 | WACHENDORFF- NEUMANN | | | | |
| Inventor's signature | | Date | | | | | |
| Residence: Neuwied, Germany Citizenship: Germany | | | | | | | |
| Mailing Address: Oberer Markenwog 85, 56566 Nouwied, Germany | | | | | | | |

5.1-

Docket No.:2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monheim, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

| As a b | clow named inventor, I here The attached application, | • | hat this assignment with declaration is directed to: United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No. | |
|--------|---|---|---|--|
| I | PRE-AIA | | , | |

My residence, mailing address, and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

☑ If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

[Page 1]

In accordance with 37 CFR 1.14(e), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

| name of sole or first inventor: | | | | | | |
|---|--|--------------|--|--|--|--|
| Given Name | | | | | | |
| (first and middle [if any]) Tomoki | Family Name or Surname TSUCHIYA | | | | | |
| Inventor's signature | Date | construction | | | | |
| Residence: Duesseldorf, Germany | Citizenship Japan | ********* | | | | |
| Mailing Address: Sonnenstr. 64, 40227 Duesseldorf, Germany | | | | | | |
| NAME OF SECOND INVENTOR: | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 0000000 | | | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Surname WASNAIRE | | | | | |
| Inventor's signature | Date | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Belgium | | | | | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | | | |
| NAME OF THIRD INVENTOR: | | xxxXXxxxx | | | | |
| Given Name (first and middle [if any]) Schastian | Family Name HOFFMANN | | | | | |
| Inventor's signature | Date | ***** | | | | |
| Residence: Newss, Germany | Citizenship Germany | | | | | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | | | | | | |
| NAME OF FOURTH INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Surname CRISTAU | ***** | | | | |
| Inventor's signature | Date | ************ | | | | |
| Residence: Lyon, France Citizenship France | | | | | | |
| Mailing Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | | |
| NAME OF FIFTH INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Thomas | Family Name or Surname SEITZ | | | | | |
| Inventor's signature Upu Hu | Date 2013-66-25 | | | | | |
| Residence: Langenfeld, Germany | Citizenship Germany | | | | | |
| Mailing Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | | |

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Docket No.:2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monheim, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignes), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

| ☐ The attached application, OR ☑ United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation | sab | s a below named inventor, I hereby declare that this assignment with declaration is directed to: | | | | | | |
|---|-----|--|----|-------------|---|--|--|--|
|). | | The attached application, | OR | \boxtimes | Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No. | | | |

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My residence, mailing address, and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

The above identified application was made or was authorized to be made by me.

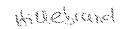
I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

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| *************************************** | *************************************** | ********************** | | | | | |
|--|---|---|---|--|--|--|--|
| NAME OF SIXTH INVENTOR: | ************************************** | | | | | | |
| Given Name (first and middle [if any]) Joachim | Family Name or Suman | ne | KLUTH | | | | |
| Inventor's signature Rolling | | Date 🙋 🗓 | 10G15 | | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | | | | | | |
| NAME OF SEVENTH INVENTOR: | 000000000000000000000000000000000000000 | *************************************** | 00000000000000000000000000000000000000 | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnan | ne | HILLEBRAND | | | | |
| Inventor's signature | ~~~~~ | Date | | | | | |
| Residence: Neuss, Germany | | Citizenship: | Germany | | | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | | | | | | |
| NAME OF EIGHTH INVENTOR: | | *************************************** | | | | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnan | ne | BENTING | | | | |
| Inventor's signature | | Date | | | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | | | | | | | |
| NAME OF NINTH INVENTOR: | | | | | | | |
| Given Name (first and middle [if any]) Daniela | Family Name or Surnan | ne | PORTZ | | | | |
| Inventor's signature | Inventor's signature Date | | | | | | |
| Residence: Vettweiss, Germany Citizenship: Germany | | | | | | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | | | |
| name of tenth inventor: | | *************************************** | *************************************** | | | | |
| Given Name (first and middle [if any]) Ufrike | Family Name or Surnan | ne | WACHENDORFF- NEUMANN | | | | |
| Inventor's signature | | Date | | | | | |
| Residence: Neuwied, Germany | | Citizenship: | Germany | | | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | | | |



Docket No.:2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

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Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

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DECLARATION

| Asab | As a below named inventor, I hereby declare that this assignment with declaration is directed to: | | | | | | |
|------|---|----|-------------|---|--|--|--|
| | The attached application, | OR | \boxtimes | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). | | | |

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HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

POST-AIA

The above identified application was made or was authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

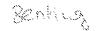
I hereby acknowledge that any willful false statement made in this assignment with declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Authorization To Permit Access To Application by Participating Office

If checked, the undersigned hereby grants the USPTO authority to provide the European Patent Office (EPO), the Japan Patent Office (JPO), the Korean Intellectual Property Office (KIPO), the World Intellectual Property Office (WIPO), and any other intellectual property offices in which a foreign application claiming priority to the above-identified application is filed access to the above-identified patent application. See 37 CFR 1.14(c) and (h). This box should not be checked if the applicant does not wish the EPO, JPO, KIPO, or other intellectual property office in which a foreign application claiming priority to the above-identified application is filed to have access to the application.

PATENT REEL: 030806 FRAME: 0182

| *************************************** | | | |
|---|--|---|---|
| NAME OF SIXTH INVENTOR: | | | xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx |
| Given Name (first and middle [if any]) Joachim | Family Name or Surnar | no | KLUTH |
| Inventor's signature | | Date | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | | |
| name of seventh inventor: | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Suman | ne | HILLEBRAND |
| Inventor's signature | | Date 20 | 13°06-05 |
| Residence: Neuss, Germany | | Citizenship: | Germany |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | ************************ | |
| NAME OF EIGHTH INVENTOR: | | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnan | <u>16</u> | BENTING |
| Inventor's signature | | Date | |
| Residence: Leichlingen, Germany | | Citizenship: | Gennany |
| Mailling Address: Amselstr. 7, 42799 Leichtlingen, Germany | inanananananananananananananangga pagagagagagagagaganangga k | 10000000000000000000000000000000000000 | 000000000000000000000000000000000000000 |
| NAME OF NINTH INVENTOR: | | | |
| Given Name (first and middle [if any]) Daniela | Family Name or Suman | 3e | FORTZ |
| Inventor's signature | | Date | |
| Residence: Vettweiss, Germany | | Citizenship: | Germany |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | |
| NAME OF TENTH INVENTOR: | ***************** | *************************************** | *************************************** |
| Given Name (first and middle [if any]) Ulrike | Family Name or Suman | ie | WACHENDORFF- NEUMANN |
| Inventor's signature | | Date | |
| Residence: Neuwied, Germany | | Citizenship: | Germany |
| Mailling Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | |



Docket No.: 2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monheim, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

DECLARATION

| sab | elow named inventor, I here | oy de | ciare i | hat this assignment with decigration is directed to: |
|-----|-----------------------------|-------|---------|---|
| | The attached application, | OR | Ø | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). |
| | | | | |

PRE-AIA

My residence, mailing address, and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

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In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

| NAME OF SOLE OR FIRST INVENTOR: | | | | | | |
|---|--|--|--|--|--|--|
| Given Name | | | | | | |
| (first and middle [if any]) Tomoki | Family Name TSUCHIYA | | | | | |
| | | | | | | |
| Inventor's signature | Date | | | | | |
| | | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Japan | | | | | |
| Mailing Address: Sonnenstr. 64, 40227 Duesseldorf, Germany | | | | | | |
| NAME OF SECOND INVENTOR: | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Pierre | Family Name or Surname WASNAIRE | | | | | |
| nikanana manana ya ili kata | | | | | | |
| Inventor's signature | Date | | | | | |
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| Residence: Duesseldorf, Germany | Citizenship Belgium | | | | | |
| | | | | | | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | | | |
| NAME OF THIRD INVENTOR: | | | | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Sebastian | Family Name or Surname HOFFMANN | | | | | |
| | | | | | | |
| Inventor's signature | Date | | | | | |
| | | | | | | |
| Residence: News, Germany | Citizenship Germany | | | | | |
| | | | | | | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | | | | | | |
| NAME OF FOURTH INVENTOR: | | | | | | |
| Given Name | | | | | | |
| | Family Name or Surname CRISTAU | | | | | |
| Inventor's | | | | | | |
| signature | Date | | | | | |
| | | | | | | |
| Residence: Lyon, France | Citizenship France | | | | | |
| Malling Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | | |
| NAME OF FIFTH INVENTOR: | | | | | | |
| Given Name | | | | | | |
| | Family Name or Surname SEITZ | | | | | |
| Inventor's | | | | | | |
| signature | Date | | | | | |
| | | | | | | |
| Residence: Langenfeld, Germany | Citizonship Germany | | | | | |
| Mailing | | | | | | |
| Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | | |

[Page 2]

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|--|---|---|---|--|--|
| NAME OF SIXTH INVENTOR: | · | | | | |
| Given Name (first and middle [if any]) Joachim | Family Name or Surnar | ne | KLUTH | | |
| Inventor's signature | | Date | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | 300000000000000000000000000000000000000 | | | |
| NAME OF SEVENTH INVENTOR: | | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnar | ne | HILLEBRAND | | |
| Inventor's signature | | Date | | | |
| Residence: Neuss, Germany | | Citizenship: | Germany | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | | | | |
| NAME OF EIGHTH INVENTOR: | | | | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnar | ne | BENTING | | |
| Inventor's signature Top Rentm | | Date 20- | 13-06-05 | | |
| Residence: Leichlingen, Germany | V | Citizenship: | Germany | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | | | | | |
| NAME OF NINTH INVENTOR: | | *************************************** | | | |
| Gives Name (first and middle [if any]) Daniela | Pamily Name or Surna | ne | PORTZ | | |
| Inventor's signature | | Date | | | |
| Residence: Vettweiss, Germany | | Citizenship: | Germany | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | |
| NAME OF TENTH INVENTOR: | | | | | |
| Given Name (first and middle [if any}) Utrike | Family Name or Surna | ne | WACHENDORFF- NEUMANN | | |
| Inventor's signature Date | | | | | |
| Residence: Neuwied, Germany | | Citizenship: | Germany | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | |
| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | *************************************** | | |



Docket No.:2923343-081000

ASSIGNMENT WITH DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)

ASSIGNMENT

Whereas, I/We, the undersigned inventor(s) hereinafter called assignor(s), have invented certain improvements described in the application identified below; and

Whereas, BAYER INTELLECTUAL PROPERTY GMBH of Monheim, Germany, whose principal business address is Creative Campus Monheim, Alfred-Nobel-Strasse 10, 40789 Monheim, Germany (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors, legal representatives, and assigns, my/our entire right, title and interest, if any, in the invention and the application for the United States of America, including all direct and indirect divisions, continuations, and continuations-in-part thereof, and all original, extended, reissued, reviewed, and reexamined Letters Patent of the United States, and all countries foreign thereto, that may be granted thereon, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will without further consideration, communicate all facts know to me/us and execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee, its successors, legal representatives, or assigns. I/We further represent and warrant that I/We have the full right to convey the interest assigned by this assignment, and that I/We have not granted any rights inconsistent with the rights granted herein. I/We further acknowledge an obligation of assignment of this invention to assignee at the time the invention was made.

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

As a below named inventor, I hereby declare that this assignment with declaration is directed to:

DECLARATION

| | • | - | | - |
|---|---------------------------|----|-------------|---|
| | The attached application, | OR | \boxtimes | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). |
|) | PRE-AIA | | | |

My residence, mailing address, and citizenship are as stated below next to my name. I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention titled:

HETEROARYLPIPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES

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PATENT

In accordance with 37 CFR 1.14(c), access may be provided to information concerning the date of filing the Authorization to Permit Access to Application by Participating Office.

| NAME OF SOLE OR FIRST INVENTOR: | | | | | | |
|--|---|--|--|--|--|--|
| Given Name | | | | | | |
| (first and middle [if any]) Tomoki | Family Name or Surnar | ne | TSUCHIYA | | | |
| | | 22 | honorodda | | | |
| Inventor's signature | | Date | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | |
| Residence: Duesseldorf, Germany | | Citizenship | Japan | | | |
| 2007 | | *************************************** | | | | |
| Mailing Address: Sonnenstr. 64, 40227 Duesseldorf, Germany | <u> </u> | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 | | | |
| NAME OF SECOND INVENTOR: | *************************************** | *************************************** | *************************************** | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Pierre | Family Name or Surnar | ne | WASNAIRE | | | |
| | | Paria | | | | |
| Inventor's signature | (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Date | THE STATE OF THE S | | | |
| Residence: Duesseldorf, Germany | | Citizenship | Belgium | | | |
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| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx | | | | |
| name of third inventor: | | | THE RESERVE OF THE PROPERTY OF | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Schastian | Family Name or Surna | me I | HOFFMANN | | | |
| | | Date | | | | |
| Inventor's signature | | Date | | | | |
| Residence: Neuss, Germany | Citizenship | Germany | | | | |
| Nemotics. Notes, Osamoni | | | | | | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | N/AUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU | 000000000000000000000000000000000000000 | <u></u> | | | |
| NAME OF FOURTH INVENTOR: | | AAAAAA EAA DOO OO | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Pierre | Family Name or Surnam | e C | RISTAU | | | |
| Inventor's | | D | | | | |
| signature | <u> </u> | Date | ~~~ | | | |
| Residence: Lyon, France | Citizenship France | | | | | |
| Mailing | | | | | | |
| Mailing Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | | |
| NAME OF FIFTH INVENTOR: | | | | | | |
| Given Name | | | | | | |
| (first and middle [if any]) Thomas Family Name or Surname SEITZ | | | | | | |
| Inventor's | | | | | | |
| signature | | Date | ###################################### | | | |
| Residence: Langenfeld, Germany | | Citizenship | Germany | | | |
| Mailing | ngangangan kananan kan | *************************************** | | | | |
| Address: Riethorbach 10b, 40764 Langenfeld, Germany | | | | | | |

| NAME OF SIXTH INVENTOR: | | | | | | |
|--|--|--------------|--|--|--|--|
| Given Name (first and middle [if any]) Joschim | Family Name or Sumar | ne | KLUTH | | | |
| Inventor's signature | | Date | | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | | | | | | |
| name of seventh inventor: | | | | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnar | ne | HILLEBRAND | | | |
| Inventor's signature | | Daie | | | | |
| Residence: Neuss, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | | | | | |
| NAME OF EIGHTH INVENTOR: | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | ********** | | | |
| Given Name (first and middle (if any)) Juergen | Family Name or Sumar | ne | BENTING | | | |
| Inventor's signature | | Date | *************************************** | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | *************************************** | | MMM/hhmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm | | | |
| NAME OF NINTH INVENTOR: | ····· | | 73 × 77 × 20 × 20 × 20 × 20 × 20 × 20 × 20 | | | |
| Given Name (first and middle [if any]) Deniels | Family Name or Surnar | ne | PORTZ | | | |
| Inventor's signature Jamela 1855 | | Date 201. | 3-06-05 | | | |
| Residence: Vertweiss, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | | |
| NAME OF TENTH INVENTOR: | | | *************************************** | | | |
| Given Name (first and middle [if any]) Ulrike | Family Name or Sumar | ne | WACHENDORFF- NEUMANN | | | |
| Inventor's signature | | Date | | | | |
| Residence: Neuwied, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | | |

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Docket No.: 2923343-081000

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DECLARATION

| Asat | elow named inventor, I here | :by de | clare t | hat this assignment with declaration is directed to: |
|------|---|------------------|-------------------|---|
| | The attached application, | OR | × | United States Application or PCT International Application Number PCT/EP2011/064527 filed on August 24, 2011 (Confirmation No). |
| | PRE-AIA | | | |
| | be the original and first i titled: | nvent | or(s) o | citizenship are as stated below next to my name. I believe the inventor(s) named below to if the subject matter which is claimed and for which a patent is sought on the invention IPERIDINE AND -PIPERAZINE DERIVATIVES AS FUNGICIDES |
| | and belief are believed to statements and the like s | o be tr o mad | ue; an e are i | nade herein of my own knowledge are true and that all statements made on information d further that these statements were made with the knowledge that willful false punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United lse statements may jeopardize the validity of the application or any patent issued thereon. |

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| name of sole or first inventor: | | | | | | | |
|--|--|---|--|--|--|--|--|
| Given Name | | | | | | | |
| (first and middle [if any]) Tomoki | Family Name or Surname TSUCHIYA | | | | | | |
| Inventor's signature | Date | | | | | | |
| AT ONE OF THE PROPERTY OF THE | | | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Japan | | | | | | |
| | | | | | | | |
| Mailing Address: Sonnenstr. 64, 40227 Duesseldorf, Germany | | | | | | | |
| NAME OF SECOND INVENTOR: | | | | | | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Surname WASNAIRE | | | | | | |
| and the state of t | | | | | | | |
| Inventor's signature | Date | | | | | | |
| | minute make | | | | | | |
| Residence: Duesseldorf, Germany | Citizenship Belgium | | | | | | |
| Mailing Address: Liebfrauenstr. 35, Duesseldorf, Germany | | | | | | | |
| NAME OF THIRD INVENTOR: | *************************************** | | | | | | |
| Given Name | | | | | | | |
| (first and middle [if any]) Sebastian | Family Name or Surname HOFFMANN | | | | | | |
| Parameter No. of Surveyor | Date | | | | | | |
| Inventor's signature | Desc. | | | | | | |
| Residence: Neuss, Germany | Citizenship Germany | | | | | | |
| | | | | | | | |
| Mailing Address: Farnweg 7, 41470 Neuss, Germany | www.www.www.www.dd.cooccoccoccoccoccoccoccoccoccoccoccocco | | | | | | |
| NAME OF FOURTH INVENTOR: | | | | | | | |
| Given Name (first and middle [if any]) Pierre | Family Name or Sumame CRISTAU | | | | | | |
| <u> </u> | Faility Painte of Softmane Civilsta | | | | | | |
| Inventor's signature | Date | *************************************** | | | | | |
| | | | | | | | |
| Residence: Lyon, France Citizenship France | | | | | | | |
| Mailing Address: 4 Rue Marietton, F-69009 Lyon, France | | | | | | | |
| NAME OF FIFTH INVENTOR: | | | | | | | |
| Given Name (first and middle [if any]) Thomas | Pamily Name or Surname SEITZ | *********** | | | | | |
| Inventor's signature | Date | | | | | | |
| X | | | | | | | |
| Residence: Langenfeld, Germany | Citizenship Germany | | | | | | |
| Mailing Address: Rietherbach 10b, 40764 Langenfeld, Germany | | | | | | | |

| NAME OF SIXTH INVENTOR: | | | | | | |
|--|--|---|---|--|--|--|
| Given Name (first and middle [if any]) Joachim | Family Name or Sumar | ne | KLUTH | | | |
| Inventor's signature | *************************************** | Date | | | | |
| Residence: Langenfeld, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Virneburgstr. 69, 40764 Langenfeld, Germany | пасадандардардардарасасасасасасасасасасасаса | прадапрапрапапапапапапапапа | | | | |
| name of seventh inventor: | r | | ····· | | | |
| Given Name (first and middle [if any]) Stefan | Family Name or Surnar | nc | HILLEBRAND | | | |
| Inventor's signature | | Date | | | | |
| Residence: Neuss, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Lothringer Str. 22, 41462 Neuss, Germany | | | | | | |
| NAME OF EIGHTH INVENTOR: | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | *************************************** | | | |
| Given Name (first and middle [if any]) Juergen | Family Name or Surnar | ne | BENTING | | | |
| Inventor's signature | | Date | | | | |
| Residence: Leichlingen, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Amselstr. 7, 42799 Leichlingen, Germany | 000000000000000000000000000000000000000 | 000000000000000000000000000000000000000 | | | | |
| NAME OF NINTH INVENTOR: | | | ~/_Q | | | |
| Given Name (first and middle [if any]) Daniela | Family Name or Surnar | ne | PORTZ | | | |
| Inventor's signature | | Date | | | | |
| Residence: Vettweiss, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Talstr. 11, 52391 Vettweiss, Germany | | | | | | |
| NAME OF TENTH INVENTOR: | | | | | | |
| Given Name (first and middle [if any]) Ulrike | Family Name or Surnar | ne | WACHENDORFF- NEUMANN | | | |
| Inventor's signature MCL ALAI | estresons. | Date 201 | 2-06-11 | | | |
| Residence: Neuwied, Germany | | Citizenship: | Germany | | | |
| Mailing Address: Oberer Markenweg 85, 56566 Neuwied, Germany | | | | | | |

RECORDED: 07/16/2013