PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3525533

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| TIMOTHY A BOEBEL | 09/03/2015 |
| KRISTY BRYAN | 08/28/2015 |
| CARLA J.R. KLITTICH | 09/03/2015 |
| BETH LORSBACH | 08/28/2015 |
| TIMOTHY P MARTIN | 09/08/2015 |
| W. JOHN OWEN | 08/17/2015 |
| MARK A POBANZ | 08/28/2015 |
| MICHAEL T SULLENBERGER | 09/03/2015 |
| JEFFERY D WEBSTER | 09/03/2015 |
| CHENGLIN YAO | 09/03/2015 |

RECEIVING PARTY DATA

| Name: | DOW AGROSCIENCES LLC |
|-----------------|----------------------|
| Street Address: | 9330 ZIONSVILLE ROAD |
| City: | INDIANAPOLIS |
| State/Country: | INDIANA |
| Postal Code: | 46268 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14031920 |

CORRESPONDENCE DATA

Fax Number: (317)337-4847

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 3173374820

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Correspondent Name: DOW AGROSCIENCES LLC Address Line 1: 9330 ZIONSVILLE ROAD

Address Line 4: INDIANAPOLIS, INDIANA 46268

ATTORNEY DOCKET NUMBER: 64988A DIV

PATENT REEL: 036561 FRAME: 0507

| NAME OF SUBMITTER: MICHELE LYONS | | | | |
|--|----------------------|--|--|--|
| SIGNATURE: | /Michele Lyons/ | | | |
| DATE SIGNED: | 09/14/2015 | | | |
| Total Attachments: 13 | | | | |
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PATENT REEL: 036561 FRAME: 0508

ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made effective as of the 19th day of September, 2013, by Timothy A. Boebel; Kristy Bryan; Carla J. R. Klittich; Beth Lorsbach; Timothy P. Martin; W. John Owen; Mark A. Pobanz; Michael T. Sullenberger; Jeffery D. Webster; and Chenglin Yao (hereinafter referred to as Assignors), residing at 9330 Zionsville Road, Indianapolis, Indiana 46268; 12421 Pebblepointe Pass, Carmel, Indiana 46033; 9330 Zionsville Road, Indianapolis, Indiana 46268; 9330 Zionsville Road, Indianapolis, Indiana 46268, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in 5-FLUORO PYRIMIDINE DERIVATIVES, set forth in a Patent application for Letters Patent of the United States, already filed on September 19, 2013 as U.S. Application No. 14/031,920; and

WHEREAS, Dow AgroSciences LLC, a Limited Liability Company organized under and pursuant to the laws of Delaware having its principal place of business at 9330 Zionsville Road, Indianapolis, Indiana 46268 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and valuable consideration and/or the remuneration received for my/our work and/or other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the abovementioned inventions and application for Letters Patent, and to any and all priority applications, the right to priority, direct and indirect divisions, continuations, continuations-in-part related to said application, its right to apply for and to hold patents for the invention and

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any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon or derive priority from the foregoing, and reissues, reexaminations and extensions and supplementary protection certificates of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, and the right to recover and take all such proceedings as may be necessary for the recovery of damages in respect of any infringement of such Letter Patent whether committed before or after the date of this assignment the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made. The Assignee hereby accepts this assignment from the Assignors.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

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AND Assignors hereby request the Commissioner for Patents and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

Dow AgroSciences LLC

All practitioners at Customer Number 25212

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

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| Date: <u>9/</u> 3 | 1/2015 | | | |
| United States of An | nerica |) | | |
| State of | Indiana |) ss.: | | |
| County of | Marion |) | | |
| On this $_{_{\odot}}$ $3^{-\lambda}$ | day of | pkinter, | 295 | before me |
| personally came | Timothy A | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ww. | to be the individual |
| | io executed the foreg | oing instrument, | and acknowleds | ged execution |
| of the same. | | | | |
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| | | Notary | y Public | |
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| | | | Notar Notar Seal 2 | ENA H. TUCHMAN y Public, State of Indises Marion County ommission # 638139 / Commission Expires Dyember 02, 2020 |

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| United Stat | es of Ame | rica |) | | | | |
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| County of | | Ma | irion) | | | | |
| On this | 284 | day of | angel | , | 2015 | , before me | |
| personally | came | | Kristy Bryan | | _, to me known | to be the individual | |
| described is | n and who | executed ti | ne foregoing instru | ment, | and acknowled | ged execution | |
| of the same | | | | | | | |
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| | | | Carfa J. R. | Klittich |
| Date: 9/3 | 415 | | <u>V</u> | |
| United States of Amo | rica |) | | |
| State of | Indiar | ıa) ss.: | | |
| County of | Mario | n) | | |
| On this 3^{60} | day of | Sentenba | 20,5 | , before me |
| personally came | Carla | J. R. Klittich | _, to me known to | be the individual |
| described in and who | executed the f | oregoing instrument, | and acknowledge | ed execution |
| of the same. | | | | |
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| | | Notary | y Public | |

DENA H. TUCHMAN
Notary Public, State of Indiana
Marion County
Commission * 638135
My Commission Express
November 02, 2020

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| ·s | ş | | Beth Lo | orsbach |
| Date: <u>\$\begin{align*} 2\begin{align*} 2\begin</u> | <u> </u> | | *** | |
| United States of Ameri | ica |) | | |
| State of | Indiana |) ss.: | | |
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| On this 28^{46} | day of Que | | 2015 | , before me |
| personally came | Beth Lorst | ********** | nana. | to be the individual |
| described in and who e | executed the foregoi | ng instrument, | , and acknowledg | ted execution |
| of the same. | | | A 64.1 | an A |
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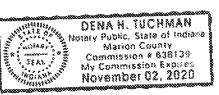
DENA H. TUCHMAN
Notary Public. State of Indiana
Marion County
Commission * 638139
My Commission Experses
November 02, 2020

Amothy P. Martin

| Date: | 9 8 | 2015 | | | |
|-------------------|-------------|--------------|-------------------|---------------------------|---|
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| State of | | Inc | liana |) ss.: | |
| County o | f | M | arion |) | |
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Notary Public



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| | | ₩/John | Owen |
| Date: 08/17/20 | <u> </u> | V | |
| United States of America |) | | |
| State of Ind | iana) ss.: | | |
| County of #4~1/# This | rion) | | |
| 600000000000000000000000000000000000000 | AUSJAT | | , before me |
| * *** | V. John Owen | aganganganana. | be the individual |
| described in and who executed th | ie foregoing instrui | nent, and acknowledge | d execution |
| of the same. | | Antonomical Man | **** |
| | | Parameter special section of the sec | Mariamorem |
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GALE HARPRING
Notary Public - Seal
State of Indiana
Marion County
My Commission Expires Apr 7, 2023

Mark A. Pobanz

Date: <u>Aug. 28, 2015</u>

United States of America

State of Indiana) ss.:
County of Marion)

On this 28th day of 2015, before me personally came Mark A. Pobanz, to me known to be the individual

described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

DENA H. TUCHMAN

Notary Public, State of Indians

Marion County

Commission * 838138

My Commission Expires

November 02, 2020

| Date: | | ·········· | |
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| United States of An | nerica |) | |
| State of | Indiana |) ss.: | |
| County of | Marion |) | |
| On this | day of | denbe . | 2015 , before me |
| personally came | Michael T. Su | llenberger | , to me known to be the individual |
| described in and wh | o executed the forego | oing instrument, | and acknowledged execution |
| of the same. | | | " |
| | | | una H. Juli |
| | | Notar | / Public |
| | | Security of the security of th | DENA H. TUCHMAN DENA H. TUCHMAN Notary Public, State of Indishe Marion County Commission & 638129 My Commission Express November 02, 2020 |

Michael T. Sullenberger

| Date: | 3,2015 | Hu Hu Hu Harris D. Webster |
|---|---|---|
| United States of Ameri | ica |) |
| State of | Indiana |) ss.: |
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| On this greet personally came described in and who e of the same. | day of Sylven Jeffery D. We executed the foregoin | hster to me known to be the individual g instrument, and acknowledged execution Ouga Haral |
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| | Notary Public | | | | |

DENA H. TUCHMAN
Notary Public, State of Indiana
Marion County
Commission # 638139
My Commission Expires
November G2, 2020

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