**PATENT ASSIGNMENT**

Electronic Version v1.1  
Stylesheet Version v1.1

**SUBMISSION TYPE:**  NEW ASSIGNMENT

**NATURE OF CONVEYANCE:**  ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Timothy A. Boebel</td>
<td>08/18/2010</td>
</tr>
<tr>
<td>Kristy Bryan</td>
<td>08/18/2010</td>
</tr>
<tr>
<td>Beth Lorsbach</td>
<td>08/18/2010</td>
</tr>
<tr>
<td>Timothy P. Martin</td>
<td>08/18/2010</td>
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<tr>
<td>W. John Owen</td>
<td>08/18/2010</td>
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<tr>
<td>Mark K. Pobanz</td>
<td>08/18/2010</td>
</tr>
<tr>
<td>Scott Thomburgh</td>
<td>09/29/2010</td>
</tr>
<tr>
<td>Jeffrey D. Webster</td>
<td>08/18/2010</td>
</tr>
<tr>
<td>Chenglin Yao</td>
<td>08/18/2010</td>
</tr>
</tbody>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Dow AgroSciences LLC</th>
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<tbody>
<tr>
<td>Street Address:</td>
<td>9330 Zionsville Road</td>
</tr>
<tr>
<td>City:</td>
<td>Indianapolis</td>
</tr>
<tr>
<td>State/Country:</td>
<td>INDIANA</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>46268</td>
</tr>
</tbody>
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**PROPERTY NUMBERS Total: 1**

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<tr>
<th>Property Type</th>
<th>Number</th>
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<tbody>
<tr>
<td>Application Number</td>
<td>12851357</td>
</tr>
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</table>

**CORRESPONDENCE DATA**

Fax Number: (317)337-4847  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 3173374292  
Email: lvensel@dow.com  
Correspondent Name: Dow AgroSciences LLC  
Address Line 1: 9330 Zionsville Road  
Address Line 4: Indianapolis, INDIANA 46268
ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made effective as of the 5th day of August, 2010, by Timothy A. Boebel; Kristy Bryan; Beth Lorsbach; Timothy P. Martin; W. John Owen; Mark A. Pohan; Scott Thornburgh; Jeffery D. Webster; and Chenglin Yao (hereinafter referred to as Assignors), residing at 5747 North Oxford Street, Indianapolis, Indiana 46220; 1502 Cool Creek Drive, Carmel, Indiana 46033; 6034 Haverford Avenue, Indianapolis, Indiana 46220; 6095 Ramsey Drive, Noblesville, Indiana 46062; 12421 Pebblepointe Pass, Carmel, Indiana 46033; 4293 Sedge Ct., Zionsville, Indiana 46077; 13820 Springmill Ponds Circle, Carmel, Indiana 46032; 7581 W. Oakwood Court, New Palestine, Indiana 46163; and 14178 Esprit Drive, Westfield, Indiana 46074, respectively:

WHEREAS, Assignors have invented certain new and useful improvements in N1-SULFONYL-5-FLUOROPYRIMIDINONE DERIVATIVES, set forth in a Patent application for Letters Patent of the United States, application number 12/851,357, filed 08/05/2010; and

WHEREAS, Dow AgroSciences L.L.C, 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 46268-1054 (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, 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 above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, 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.

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.

AND Assignors hereby request the Commissioner of Patent 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.
United States of America
State of Indiana ss.
County of Marion

On this _________ day of __________, __________, before me personally came Timothy A. Boebel, 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 Seal State of Indiana
Marion County
My Commission Expires 11/02/2012
Kristy Bryan

Date: __5-16-2010__

United States of America

State of Indiana (ss:)

County of Marion

On this __12__th day of __June__ __2010__, before me personally came __Kristy Bryan__, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Dona H. Tuchman
Notary Public Seal State of Indiana
Marion County
My Commission Expires 11/02/2012
Date: 1/1/2020

United States of America
State of Indiana ss.: Marion

On this 1st day of January, 2020, before me personally came Beth Lorschbach, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

[Stamp]
United States of America
State of Indiana ss.: Marion

On this 18th day of August, 2009, before me personally came Timothy P. Martin, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

[Signature]

Dena H. Kuchman
Notary Public Seal State of Indiana
Marion County
My Commission Expires 11/02/2012
Date: Aug 15 2010

United States of America )
State of Indiana ) ss:
County of Marion )

On this 18th day of August 2010, before me personally came W. John Owen, 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 Seal State of Indiana
Marion County
My Commission Expires 11/02/2012
Date:  

United States of America
State of  Indiana
County of  Marion

On this 18th day of August, 2010, 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 Seal State of Indiana
Marion County
My Commission Expires 11/02/2012
Date: 9/29/2010

United States of America  
State of Indiana  
County of Marion  

On this 29th day of September 2010, before me personally came Scott Thornburgh, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

JENNIFER L. CLARSON  
Marion County  
My Commission Expires May 4, 2017
Date: Aug 16, 2010

United States of America  
State of Indiana  
County of Marion  

On this 16th day of August, 2010, before me personally came Jeffery D. Webster, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Dene H. Fuchman  
Notary Public Seal State of Indiana  
Marion County  
My Commission Expires 11/02/2012
Date: August 15, 2010

United States of America
State of Indiana
County of Marion

On this 15th day of August, 2010, before me personally came Chenglin Yao, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

Dana H. Yoder
Notary Public State of Indiana
Marion County
My Commission Expires 11/08/2010