

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Max M. Tirtowidjojo</td> <td>05/07/2012</td> </tr> <tr> <td>William J. Kruper Jr.</td> <td>07/18/2012</td> </tr> <tr> <td>Kurt F. Hirsekorn</td> <td>05/07/2012</td> </tr> <tr> <td>Debashis Chakraborty</td> <td>05/21/2012</td> </tr> </tbody> </table>		Name	Execution Date	Max M. Tirtowidjojo	05/07/2012	William J. Kruper Jr.	07/18/2012	Kurt F. Hirsekorn	05/07/2012	Debashis Chakraborty	05/21/2012
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<table border="1"> <tr> <td>Name:</td> <td>Dow AgroSciences LLC</td> </tr> <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> </table>		Name:	Dow AgroSciences LLC	Street Address:	9330 Zionsville Road	City:	Indianapolis	State/Country:	INDIANA	Postal Code:	46268
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CORRESPONDENCE DATA											
<p>Fax Number: 8664966981  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 651-760-3250    Email: kim@ksjlaw.com    Correspondent Name: KSJ Law    Address Line 1: P.O. Box 517    Address Line 4: Willemie, MINNESOTA 55090</p>											
ATTORNEY DOCKET NUMBER:	70255-US-PCT										
NAME OF SUBMITTER:	Jamie A. Ebach										
<p>Total Attachments: 7        source=70255-US-PCTExecutedAssignment#page1.tif</p>											

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## ASSIGNMENT BY INVENTORS

**THIS ASSIGNMENT**, made effective this 30<sup>th</sup> day of May, 2012, by Max M. Tirtowidjojo; William J. Kruper, Jr.; Kurt F. Hirsekorn; and Debashis Chakraborty (hereinafter referred to as Assignors), residing at 110 Rosewood, Lake Jackson, Texas 77566; 230 Barden Road, Sanford, Michigan 48657; 5631 Bloomfield Court, Midland, Michigan 48640; and 109 Northwood Drive, Lake Jackson, Texas 77566, respectively;

**WHEREAS**, Assignors have invented certain new and useful improvements in **PROCESS FOR THE PRODUCTION OF CHLORINATED AND/OR FLUORINATED PROPENES**, set forth in a Patent application for which an International Application was filed on May 30, 2012, PCT/US2012/039906, designating the United States; 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**, for good and valuable consideration and/or the remuneration received for my/our work and/or other goods 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.

70255-US-PCT

Max M. Tirtowidjojo  
Max M. Tirtowidjojo

Date: May 7, 2012

United States of America )  
State of Texas ) ss.:  
County of Brazoria )

On this 7<sup>th</sup> day of May, 2012, before me  
personally came Max M. Tirtowidjojo, to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged execution  
of the same.

Belinda L. Thacker



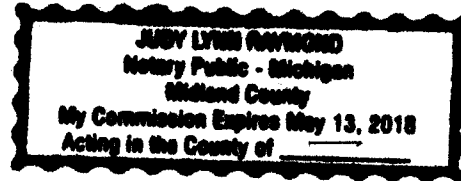
William J. Kruper, Jr.  
William J. Kruper, Jr.

Date: July 18, 2012

United States of America )  
State of Michigan ) ss.:  
County of Midland )

On this 18 day of July, 2012, before me personally came William J. Kruper, Jr., to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Judy Lynn Raymond  
Notary Public



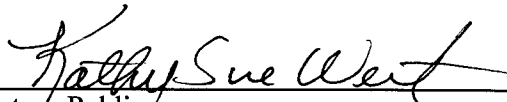


Kurt F. Hirsekorn

Date: 5/7/12

United States of America )  
State of Michigan ) ss.:  
County of Midland )

On this 7 day of May, 2012, before me personally came Kurt F. Hirsekorn, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

  
Notary Public  
*Kathy Sue Wertz*  
NOTARY PUBLIC, MIDLAND COUNTY, MICHIGAN  
MY COMMISSION EXPIRES APRIL 07, 2018



Debashis Chakraborty  
Debashis Chakraborty

Date: 21<sup>st</sup> May 2012

United States of America )  
State of Texas ) ss.:  
County of Brazoria )

On this 21<sup>st</sup> day of May, 2012, before me personally came Debashis Chakraborty, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Delane Pedersen  
Notary Public

