

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Xueyi Hu</td> <td>05/04/2013</td> </tr> <tr> <td>Mandy Sullivan-Gilbert</td> <td>05/15/2013</td> </tr> <tr> <td>Jan E. Backlund</td> <td>07/08/2013</td> </tr> <tr> <td>James T. Gerdes</td> <td>05/09/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xueyi Hu	05/04/2013	Mandy Sullivan-Gilbert	05/15/2013	Jan E. Backlund	07/08/2013	James T. Gerdes	05/09/2013
Name	Execution Date										
Xueyi Hu	05/04/2013										
Mandy Sullivan-Gilbert	05/15/2013										
Jan E. Backlund	07/08/2013										
James T. Gerdes	05/09/2013										
RECEIVING PARTY DATA											
<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
Name:	Dow AgroSciences LLC										
Street Address:	9330 Zionsville Road										
City:	Indianapolis										
State/Country:	INDIANA										
Postal Code:	46268										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13837877</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13837877						
Property Type	Number										
Application Number:	13837877										
CORRESPONDENCE DATA											
<p>Fax Number: 8015319168 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 801-532-1922 Email: ckohler@traskbritt.com</p> <p>Correspondent Name: TraskBritt Address Line 1: 230 South 500 East Address Line 2: Suite 300 Address Line 4: Salt Lake City, UTAH 84102</p>											
ATTORNEY DOCKET NUMBER:	2971-9207.1US										
NAME OF SUBMITTER:	Edgar R. Cataxinos										
Signature:	/Edgar R. Cataxinos/										

PATENT

Date:

07/17/2013

Total Attachments: 20

source=Jul-09-13-Assign-Hu-9207-1US#page1.tif
source=Jul-09-13-Assign-Hu-9207-1US#page2.tif
source=Jul-09-13-Assign-Hu-9207-1US#page3.tif
source=Jul-09-13-Assign-Hu-9207-1US#page4.tif
source=Jul-09-13-Assign-Hu-9207-1US#page5.tif
source=Jul-09-13-Assign-Sullivan-9207-1US#page1.tif
source=Jul-09-13-Assign-Sullivan-9207-1US#page2.tif
source=Jul-09-13-Assign-Sullivan-9207-1US#page3.tif
source=Jul-09-13-Assign-Sullivan-9207-1US#page4.tif
source=Jul-09-13-Assign-Sullivan-9207-1US#page5.tif
source=Jul-13-Assign-Backlund-9207-1US#page1.tif
source=Jul-13-Assign-Backlund-9207-1US#page2.tif
source=Jul-13-Assign-Backlund-9207-1US#page3.tif
source=Jul-13-Assign-Backlund-9207-1US#page4.tif
source=Jul-13-Assign-Backlund-9207-1US#page5.tif
source=Jul-09-13-Assign-Gerdes-9207-1US#page1.tif
source=Jul-09-13-Assign-Gerdes-9207-1US#page2.tif
source=Jul-09-13-Assign-Gerdes-9207-1US#page3.tif
source=Jul-09-13-Assign-Gerdes-9207-1US#page4.tif
source=Jul-09-13-Assign-Gerdes-9207-1US#page5.tif

ASSIGNMENT

THIS ASSIGNMENT, made this 4th of May 2013, by Xueyi Hu; Mandy Sullivan-Gilbert; Jan Erik Backlund and James T. Gerdes (hereinafter referred to as Assignors) residing at 14194 Esprit Drive, Carmel IN; 3265 Paddock Road, Lebanon, IN; 370 East Arch Street, Indianapolis, IN; 14370 Grand View Lane, Unit B, Lake Park, MN, respectively:

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to Dow AgroSciences LLC ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 9330 Zionsville Road; Indianapolis, IN 46268, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 13/837,877 filed on March 15, 2013, entitled **MOLECULAR MARKERS FOR LOW PALMITIC ACID CONTENT IN SUNFLOWER (HELIANTHUS ANNUS), AND METHODS OF USING THE SAME**, such application and any and all priority, divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history

thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

Xueyi Hu
Xueyi Hu
Residing at: 14194 Espirit Dr., Westfield, IN 46074

Date May 4, 2013

Witness for Xueyi Hu:

Signature: Xiaoping Xu

Date May 4, 2013

Printed Name: Xiaoping Xu

Address : 14194 Espirit Dr.

Carmel, IN 46074

Mandy Sullivan-Gilbert
Residing at: 3265 Paddock Road, Lebanon, IN 46052

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

Jan E. Backlund
Residing at: 370 East Arch St., Indianapolis, IN 46202

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Jan E. Backlund to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

James T. Gerdes

Residing at: 14370 Grand View Lane, Unit B, Lake Park, MN 56554

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

ASSIGNMENT

THIS ASSIGNMENT, made this 15 of May 2013, by Xueyi Hu; Mandy Sullivan-Gilbert; Jan Erik Backlund and James T. Gerdes (hereinafter referred to as Assignors) residing at 14194 Esprit Drive, Carmel IN; 3265 Paddock Road, Lebanon, IN; 370 East Arch Street, Indianapolis, IN; 14370 Grand View Lane, Unit B, Lake Park, MN, respectively:

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to Dow AgroSciences LLC ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 9330 Zionsville Road; Indianapolis, IN 46268, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 13/837,877 filed on March 15, 2013, entitled **MOLECULAR MARKERS FOR LOW PALMITIC ACID CONTENT IN SUNFLOWER (HELIANTHUS ANNUS), AND METHODS OF USING THE SAME**, such application and any and all priority, divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history

thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

Xueyi Hu
Residing at: 14194 Espirit Dr., Westfield, IN 46074

Date _____

Witness for Xueyi Hu:

Signature: _____ Date _____

Printed Name: _____

Address : _____

Mandy Sullivan-Gilbert
Mandy Sullivan-Gilbert
Residing at: 3265 Paddock Road, Lebanon, IN 46052

Date 5-15-13

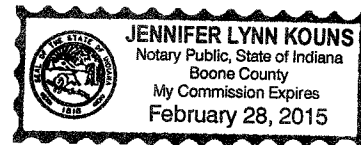
COUNTY OF Boone)
STATE OF Indiana) : ss.

On this 15th day of May, 2013, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Jennifer Lynn Kouns
Notary Public in and for said County and State

My Commission Expires:

2/28/2015



Jan E. Backlund
Residing at: 370 East Arch St., Indianapolis, IN 46202

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Jan E. Backlund to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

James T. Gerdes

Residing at: 14370 Grand View Lane, Unit B, Lake Park, MN 56554

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

ASSIGNMENT

THIS ASSIGNMENT, made this 8 of July 2013, by Xueyi Hu; Mandy Sullivan-Gilbert; Jan Erik Backlund and James T. Gerdes (hereinafter referred to as Assignors) residing at 14194 Esprit Drive, Carmel IN; 3265 Paddock Road, Lebanon, IN; 370 East Arch Street, Indianapolis, IN; 14370 Grand View Lane, Unit B, Lake Park, MN, respectively:

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to Dow AgroSciences LLC ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 9330 Zionsville Road; Indianapolis, IN 46268, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 13/837,877 filed on March 15, 2013, entitled **MOLECULAR MARKERS FOR LOW PALMITIC ACID CONTENT IN SUNFLOWER (HELIANTHUS ANNUS), AND METHODS OF USING THE SAME**, such application and any and all priority, divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements

and the history thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

Xueyi Hu

Residing at: 14194 Espirit Dr., Westfield, IN 46074

Date _____

Witness for Xueyi Hu:

Signature: _____

Date _____

Printed Name: _____

Address : _____

Mandy Sullivan-Gilbert
Residing at: 3265 Paddock Road, Lebanon, IN 46052

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

Jan E. Backlund

Jan E. Backlund

Residing at: 370 East Arch St., Indianapolis, IN 46202

Date 8 July 13

COUNTY OF Marion)

: ss.

STATE OF Indiana)

On this 8th day of July, 2012, before me personally appeared Jan E. Backlund to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Dena H. Tuchman

Notary Public in and for said County and State

My Commission Expires:

Nov. 2, 2020



James T. Gerdes

Residing at: 14370 Grand View Lane, Unit B, Lake Park, MN 56554

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

ASSIGNMENT

THIS ASSIGNMENT, made this 9 of May 2013, by Xueyi Hu; Mandy Sullivan-Gilbert; Jan Erik Backlund and James T. Gerdes (hereinafter referred to as Assignors) residing at 14194 Esprit Drive, Carmel IN; 3265 Paddock Road, Lebanon, IN; 370 East Arch Street, Indianapolis, IN; 14370 Grand View Lane, Unit B, Lake Park, MN, respectively:

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, each undersigned ASSIGNOR does hereby:

SELL, ASSIGN AND TRANSFER to Dow AgroSciences LLC ("ASSIGNEE"), a corporation of the state of Delaware having a place of business at 9330 Zionsville Road; Indianapolis, IN 46268, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the Application for United States Letters Patent Serial No. 13/837,877 filed on March 15, 2013, entitled **MOLECULAR MARKERS FOR LOW PALMITIC ACID CONTENT IN SUNFLOWER (HELIANTHUS ANNUS), AND METHODS OF USING THE SAME**, such application and any and all priority, divisional, continuing, substitute, renewal, reissue and all other applications for patent or the legal equivalent thereof which have been or may be filed in the United States and all foreign countries relating to any of such improvements; all original, reexamined and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application made in the United States;

AUTHORIZE the ASSIGNEE to apply for and receive any and all United States and foreign patents relating to such improvements in its own name;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to and in the name of the ASSIGNEE;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement or encumbrance affecting the rights and property herein conveyed has been or will be made or entered into by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the ASSIGNEE, to carry out in good faith the intent and purpose of this assignment, to execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications relating to any and all such improvements; to execute all rightful oaths, declarations, assignments, powers of attorney and other papers; to communicate to the ASSIGNEE all facts and provide to the ASSIGNEE all documents and things known and accessible to the undersigned relating to such improvements and the history

thereof, and testify as to the same in any interference, litigation or other proceeding relating thereto; and generally to do everything possible which the ASSIGNEE shall consider desirable for vesting title to such improvements in the ASSIGNEE, and to secure, maintain, defend and enforce valid and enforceable patent protection for such improvements;

AGREE AND ACKNOWLEDGE that the SALE, ASSIGNMENT AND TRANSFER of rights and property set forth herein is and shall be IRREVOCABLE and BINDING upon the heirs, assigns, representatives and successors of each undersigned ASSIGNOR and EXTEND to the successors, assigns and nominees of the ASSIGNEE.

ASSIGNORS:

Xueyi Hu
Residing at: 14194 Espirit Dr., Westfield, IN 46074

Date _____

Witness for Xueyi Hu:

Signature: _____ Date _____

Printed Name: _____

Address : _____

Mandy Sullivan-Gilbert
Residing at: 3265 Paddock Road, Lebanon, IN 46052

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Mandy Sullivan-Gilbert to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

Jan E. Backlund
Residing at: 370 East Arch St., Indianapolis, IN 46202

Date _____

COUNTY OF)
 : ss.
STATE OF)

On this _____ day of _____, 2012, before me personally appeared Jan E. Backlund to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.

Notary Public in and for said County and State

My Commission Expires:

James T. Gerdes

Date 5/9/2013

James T. Gerdes

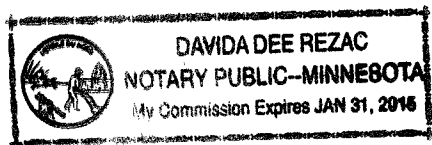
Residing at: 14370 Grand View Lane, Unit B, Lake Park, MN 56554

COUNTY OF WILKINSON

: ss.

STATE OF MINNESOTA

On this 9th day of May, 2013, before me personally appeared ^{James T} ~~Mandy~~ ^{Gerdes} ~~Sullivan-Gilbert~~ to me known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same.



Davida Dee Rezac
Notary Public in and for said County and State

My Commission Expires:

January 31, 2015