

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>01/26/2004</td></tr><tr><td>Mandy L. Sullivan-Gilbert</td><td>01/26/2004</td></tr><tr><td>Manju Gupta</td><td>01/26/2004</td></tr><tr><td>Steven A. Thompson</td><td>02/02/2004</td></tr></tbody></table>		Name	Execution Date	Xueyi Hu	01/26/2004	Mandy L. Sullivan-Gilbert	01/26/2004	Manju Gupta	01/26/2004	Steven A. Thompson	02/02/2004
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Steven A. Thompson	02/02/2004										
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
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PROPERTY NUMBERS Total: 2											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>60446429</td></tr><tr><td>Application Number:</td><td>10545100</td></tr></tbody></table>		Property Type	Number	Application Number:	60446429	Application Number:	10545100				
Property Type	Number										
Application Number:	60446429										
Application Number:	10545100										
CORRESPONDENCE DATA											
Fax Number: (317)337-4847 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 317-337-4820											
Email: mdlyons@dow.com											
Correspondent Name: Dow AgroSciences LLC											
Address Line 1: 9330 Zionsville Road											
Address Line 4: Indianapolis, INDIANA 46268											
ATTORNEY DOCKET NUMBER:	62766										
NAME OF SUBMITTER:	Michele Lyons										

501225274

PATENT
REEL: 024644 FRAME: 0030

CH \$80.00 60446429

Total Attachments: 3

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INDIVIDUAL ASSIGNMENT AND INVENTOR'S DECLARATION (WITH PRIORITY RIGHTS)

I/we verily believe I am/we are the original, first and sole/joint inventor(s) of the subject matter which is embraced by and for which a patent is sought on the invention entitled:

ALTERED *FAD2* AND *FAD3* GENES IN *BRASSICA* AND THE MOLECULAR MARKER-ASSISTED DETECTION THEREOF

which invention was made and invented by me/us out of and in the course of my/our employment with my/our respective employers as stated below my/our name(s). I/we acknowledge that I/we hold the invention and all patent and other rights and powers obtainable or exercisable in respect thereof in trust for our respective employers. As trustee(s), and for good and valuable consideration and/or the remuneration received for my/our work, I/we sell, assign and transfer unto:

Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, Indiana 46268
United States of America

a limited liability company organized and existing under the laws of the State of DELAWARE, U.S.A.

(hereinafter referred to as the "Assignee");

hereinafter referred to as the "Assignee"), my/our entire right, title and interest throughout the world, in and to the invention and all rights and powers to make applications, including provisional applications when permitted by law, for Letters Patent in its own name, or in the name of its designee (or nominee(s)); and all rights and powers to file any corresponding or equivalent applications in any and all countries, including all rights to claim priority under all United States domestic laws, International Convention(s) and Treaties in the name of Assignee, and do hereby authorize Assignee or its designee to insert here the

Application No. 60/446,429 Filing Date February 11, 2003

in country **the United States of America**

of the application, on which the claim for priority will be based; and in and to any Letters Patent that may be issued for the invention in any and all countries. I/we do hereby agree to assist Assignee in the prosecution of the application(s) and in any interference, conflict, opposition or litigation which may arise involving the invention or the patent or patents thereon, and to execute for any and all countries any document relating to applications derived from, corresponding to or equivalent to the above identified application as Assignee may request; and I/we do hereby authorize Assignee or its designee (or nominee(s)) to insert here any corresponding equivalent

Application No. 10/545,100 Filing Date February 11, 2004 (from PCT)

in country United States of America

United States of America
to the above Priority application of any country where that country's patent property must be identified and entered hereinabove for record of this Assignment. I/we authorize Assignee or its designee to translate this Assignment into all languages necessary;

and we request that any such Letters Patent be issued to Assignee; and consent to the recordal of this Assignment, or a Notarial True Copy thereof, being under covenant not only that I/we have full power to make the same, but also that such assigned rights are not encumbered by any grant, license, or other right heretofore given.

Subscribed and Declared by me/us:

At: Indianapolis, Indiana 46268 USA
this 26 day of January, 2004

Signature: Xueyi Hu
Full Name: **Xueyi Hu**
Residence: **14194 Esprit Drive**
Westfield, Indiana 46074
Country: **United States of America**
Citizenship: **China**
P. O. Address: **Same as Residence**
Employed By: **Dow AgroSciences LLC**
Of Country: **United States of America**

At: Indianapolis, Indiana 46268 USA
this 26 day of January, 2004

Signature: Manju Gupta
Full Name: **Manju Gupta**
Residence: **13463 Winamac Court**
Carmel, Indiana 46032
Country: **United States of America**
Citizenship: **United States of America**
P. O. Address: **Same as Residence**
Employed By: **Dow AgroSciences LLC**
Of Country: **United States of America**

At: Indianapolis, Indiana 46268 USA
this 26 day of January, 2004

Signature: Mandy Lynne Sullivan-Gilbert
Full Name: **Mandy Lynne Sullivan-Gilbert**
Residence: **221 North Belden Drive
Carmel, Indiana 46032**
Country: **United States of America**
Citizenship: **United States of America**
P. O. Address: **Same as Residence**
Employed By: **Dow AgroSciences LLC**
Of Country: **United States of America**

At: Indianapolis, Indiana 46268 USA
this 2 day of Feb, 2004

Signature: Steve Arnold Thompson
Full Name: **Steven Arnold Thompson**
Residence: **5326 Creekbend Drive
Carmel, Indiana 46033**
Country: **United States of America**
Citizenship: **United States of America**
P. O. Address: **Same as Residence**
Employed By: **Dow AgroSciences LLC**
Of Country: **United States of America**

() Additional names and signatures are attached.

PATENT
REEL: 024644 FRAME: 0032

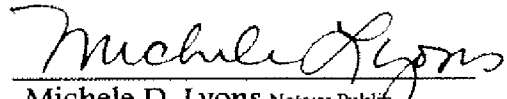
NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF INDIANA) SS
County/Parish of Marion)

On this 26th day of January, 2004, personally appeared
before me,
Xueyi Hu

known or identified to me to be the individual described in and who executed the
foregoing document and acknowledged the same as a free act and deed for uses and
purposes therein expressed.

SEAL


Michele D. Lyons Notary Public
State of Indiana Hamilton County
My Commission Expires July 5, 2007

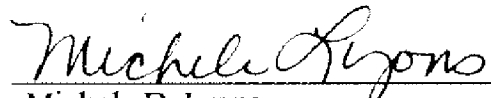
NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF INDIANA) SS
County/Parish of Marion)

On this 26th day of January, 2004, personally appeared
before me,
Mandy Lynne Sullivan-Gilbert

known or identified to me to be the individual described in and who executed the
foregoing document and acknowledged the same as a free act and deed for uses and
purposes therein expressed.

SEAL


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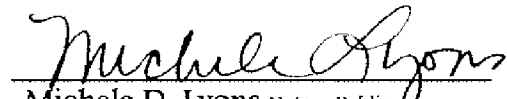
NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF INDIANA) SS
County/Parish of Marion)

On this 26th day of January, 2004, personally appeared
before me,
Manju Gupta

known or identified to me to be the individual described in and who executed the
foregoing document and acknowledged the same as a free act and deed for uses and
purposes therein expressed.

SEAL


Michele D. Lyons Notary Public
State of Indiana Hamilton County
My Commission Expires July 5, 2007

FORM 222

Docket Ref. 62,766A

NOTARIAL CERTIFICATE (INDIVIDUAL)


UNITED STATES OF AMERICA)
STATE OF INDIANA) SS
County/Parish of Marion)

On this 2nd day of February, 2004, personally appeared

Steven Arnold Thompson

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL


Michele D. Lyons Notary Public
State of Indiana Hamilton County
My Commission Expires July 5, 2007

NOTARIAL CERTIFICATE (INDIVIDUAL)

UNITED STATES OF AMERICA)
STATE OF) SS
County/Parish of)

On this _____ day of _____, 20____, personally appeared
before me,

known or identified to me to be the individual described in and who executed the foregoing document and acknowledged the same as a free act and deed for uses and purposes therein expressed.

SEAL

Michele D. Lyons Notary Public
State of Indiana Hamilton County
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State of Indiana Hamilton County
My Commission Expires July 5, 2007

PATENT

RECORDED: 07/07/2010

REEL: 024644 FRAME: 0034