

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Beth Jo Calabotta	07/23/2008
Kevin Lee Deppermann	05/05/2008
Erik Dersch	05/06/2008
Jerald D. Heise	05/05/2008
Angela Ranae Koestel	05/05/2008
Cindy L. Ludwig	05/05/2008
Brian J. Martinell	05/06/2008
Edward Williams	05/06/2008

RECEIVING PARTY DATA

Name:	Monsanto Technology LLC
Street Address:	800 N. Lindbergh Boulevard
City:	St. Louis
State/Country:	MISSOURI
Postal Code:	63167

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12045498

CORRESPONDENCE DATA

Fax Number: (214)259-0910

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 214-259-0931

Email: esondota@sonnenschein.com

Correspondent Name: Robert E. Hanson

Address Line 1: 1717 Main Street

Address Line 2: Suite 3400

Address Line 4: Dallas, TEXAS 75201

OP \$40.00 12045498

500605568

PATENT
REEL: 021305 FRAME: 0752

ATTORNEY DOCKET NUMBER:

11000023-2761/MONS:101US

NAME OF SUBMITTER:

Robert E. Hanson

Total Attachments: 10

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ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to MONSANTO TECHNOLOGY LLC (the "Assignee"), a Delaware corporation, having a place of business at 800 N. Lindbergh Boulevard, St. Louis, Missouri, 63167, their 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. **12/045,498** which has been filed on **March 10, 2008** and is entitled "**PREPARATION AND USE OF PLANT EMBRYO EXPLANTS FOR TRANSFORMATION,**" which claims priority to Serial No. 60/894,096 filed on March 9, 2007 and Serial No. 60/915,066 filed on April 30, 2007, such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States;

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

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others 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, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

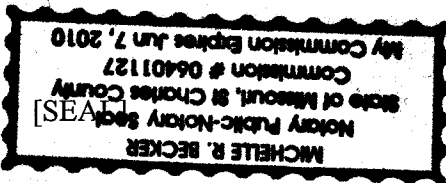
TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Beth Jo Calabotta
Name: Beth Jo Calabotta

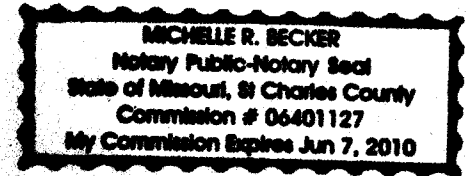
Date: 23 July 2008

STATE OF Missouri
COUNTY OF St. Charles

BEFORE ME, the undersigned authority, on this 23 day of July, 2008 personally appeared Beth Jo Calabotta, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



[Signature]
Notary or Consular Officer



Signature: _____
Name: Kevin Lee Deppermann

Date: _____

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Kevin Lee Deppermann, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: Erik Dersch
Name: Erik Dersch

Date: 06 May 2008

STATE OF Wisconsin
COUNTY OF Dane

BEFORE ME, the undersigned authority, on this 6th day of May, 2008 personally appeared Erik Dersch, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Kim G. Smythe
Notary or Consular Officer

[SEAL]

My commission expires April 1, 2012.

Signature: _____
Name: Jerald D. Heise

Date: _____

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Jerald D. Heise, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: [Signature]
Name: Angela Ranae Koestel

Date: 5-5-08

STATE OF Missouri
COUNTY OF St. Louis

BEFORE ME, the undersigned authority, on this 5 day of May, 2008 personally appeared Angela Ranae Koestel, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

PATRICIA A. HRSTICH
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
[SEAL] **ST. LOUIS COUNTY**
MY COMMISSION EXPIRES: 12/17/2011
COMMISSION #07510836

[Signature]
Notary or Consular Officer

Signature: _____
Name: Cindy L. Ludwig

Date: _____

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Cindy L. Ludwig, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: Brian J. Martinell
Name: Brian J. Martinell

Date: MAY 6th 2008

STATE OF Wisconsin
COUNTY OF Dane

BEFORE ME, the undersigned authority, on this 6th day of May, 2008 personally appeared Brian J. Martinell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]

Kim G. Smythe
Notary or Consular Officer
My commission expires April 1, 2012

Signature: Edward Williams
Name: Edward Williams

Date: May 6th 2008

STATE OF Wisconsin
COUNTY OF Dane

BEFORE ME, the undersigned authority, on this 6th day of May, 2008 personally appeared Edward Williams, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

[SEAL]

Kim G. Smythe
Notary or Consular Officer
My commission expires April 1, 2012

SONNENSCHN NATH & ROSENTHAL LLP
1717 Main Street, Suite 3400
Dallas, Texas 75201

ASSIGNMENT

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

SELL, ASSIGN AND TRANSFER to MONSANTO TECHNOLOGY LLC (the "Assignee"), a Delaware corporation, having a place of business at 800 N. Lindbergh Boulevard, St. Louis, Missouri, 63167, their 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. **12/045,498** which has been filed on **March 10, 2008** and is entitled "**PREPARATION AND USE OF PLANT EMBRYO EXPLANTS FOR TRANSFORMATION,**" which claims priority to Serial No. 60/894,096 filed on March 9, 2007 and Serial No. 60/915,066 filed on April 30, 2007, such applications and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original 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 in the United States;

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

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others 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, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____

Date: _____

Name: Beth Jo Calabotta

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Beth Jo Calabotta, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: 5-5-2008

Name: Kevin Lee Deppermann

STATE OF Missouri
COUNTY OF St Louis

BEFORE ME, the undersigned authority, on this 5 day of May, 2008 personally appeared Kevin Lee Deppermann, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

PATRICIA A. HRSTICH
NOTARY PUBLIC - NOTARY SEAL

STATE OF MISSOURI
[SEAL] **ST. LOUIS COUNTY**

MY COMMISSION EXPIRES: 12/17/2011
COMMISSION #07510836

Notary or Consular Officer

Signature: _____
Name: Erik Dersch

Date: _____

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Erik Dersch, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: Jerald D. Heise
Name: Jerald D. Heise

Date: 5/5/08

STATE OF Missouri
COUNTY OF St Louis

BEFORE ME, the undersigned authority, on this 5 day of May, 2008 personally appeared Jerald D. Heise, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Patricia A. Hrustich
Notary or Consular Officer

[SEAL]

PATRICIA A. HRSTICH
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
ST. LOUIS COUNTY
MY COMMISSION EXPIRES: 12/17/2011
COMMISSION #07510836

Signature: _____

Date: _____

Name: Angela Ranae Koestel

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Angela Ranae Koestel, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: Cindy L. Ludwig
Name: Cindy L. Ludwig

Date: 5/5/08

STATE OF Missouri
COUNTY OF St Louis

BEFORE ME, the undersigned authority, on this 5 day of May, 2008 personally appeared Cindy L. Ludwig, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Patricia A. Hraslich
Notary or Consular Officer

PATRICIA A. HRASLICH
NOTARY PUBLIC - NOTARY SEAL
STATE OF MISSOURI
ST. LOUIS COUNTY
MY COMMISSION EXPIRES: 12/17/2011
COMMISSION #07510836

Signature: _____
Name: Brian J. Martinell

Date: _____

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Brian J. Martinell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____
Name: Edward Williams

Date: _____

STATE OF _____
COUNTY OF _____

BEFORE ME, the undersigned authority, on this ____ day of _____, 2008 personally appeared Edward Williams, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

SONNENSCHN NATH & ROSENTHAL LLP
1717 Main Street, Suite 3400
Dallas, Texas 75201