

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Kevin L. Deppermann	07/15/2011
Michael W. Petersen	08/26/2011
David Butruille	07/06/2011
Stanton Dotson	07/06/2011
Sam Eathington	07/08/2011
Heather Forbes	07/28/2011
Bruce Schnicker	06/29/2011
John Tamulonis	06/29/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MONSANTO TECHNOLOGY LLC
<b>Street Address:</b>	800 NORTH LINDBERGH BLVD.
<b>City:</b>	ST. LOUIS
<b>State/Country:</b>	MISSOURI
<b>Postal Code:</b>	63167
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13108762
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(314)726-7501
<b>Phone:</b>	314-726-7500
<b>Email:</b>	bpanka@hdp.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Correspondent Name:</b>	HARNESS, DICKEY & PIERCE, P.L.C.
<b>Address Line 1:</b>	7700 BONHOMME AVENUE
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	ST. LOUIS, MISSOURI 63105

CH \$40.00 13108762

ATTORNEY DOCKET NUMBER:	5089-000034/US/COD
NAME OF SUBMITTER:	Brian G. Panka
Total Attachments: 9 source=Executed Assignment#page1.tif source=Executed Assignment#page2.tif source=Executed Assignment#page3.tif source=Executed Assignment#page4.tif source=Executed Assignment#page5.tif source=Executed Assignment#page6.tif source=Executed Assignment#page7.tif source=Executed Assignment#page8.tif source=Executed Assignment#page9.tif	

# ASSIGNMENT

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

## **METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING**

for which Assignor is about to make or has made United States or International application for patent

- (a) executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) executed on \_\_, \_\_, \_\_; or
- (c) filed on May 16, 2011, and assigned Serial No. 13/108,762; and

WHEREAS, Monsanto Technology, LLC, 800 North Lindbergh Blvd., St. Louis, Missouri 63167, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

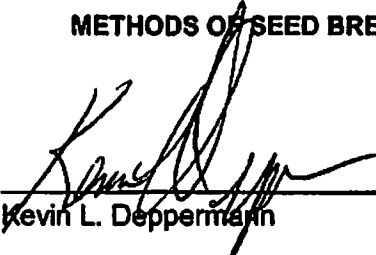
Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. 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 U.S. Patent and Trademark Office for recordation of this document.

**ASSIGNMENT**

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

**METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING**

  
\_\_\_\_\_  
Kevin L. Deppermann

State of Missouri )  
County of St. Louis ) ss.

On this 15 day of July 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)

Notary Public, Allen F. Jackson  
Acting in the County Of St. Louis  
State Of Missouri  
My Commission Expires 9-9-13

**ASSIGNMENT**

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

**METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING**

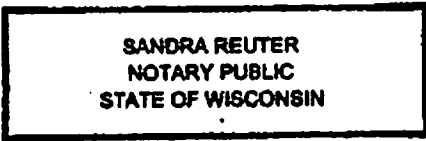
*Michael W. Petersen*

Michael W. Petersen

State of Wisconsin )  
County of Dane ) ss.

On this 26 day of August 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)




Notary Public, *Sandra Reuter*  
Acting in the County Of Dane  
State Of Wisconsin  
My Commission Expires August 31, 2014

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Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

## METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING

  
\_\_\_\_\_  
David Buttrille

State of Iowa )  
County of Polk ) ss.

On this 6<sup>th</sup> day of July 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

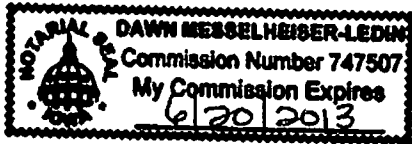
(seal)

Notary Public, Dawn Messelheiser-Ledin

Acting in the County of Polk

State of Iowa


My Commission Expires 6/20/2013



# ASSIGNMENT

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

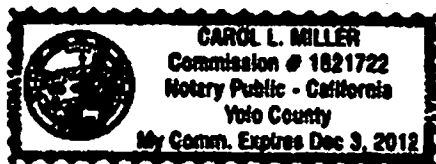
## METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING

  
Stanton Dotson

State of CALIFORNIA )  
County of YOLO ) ss.

On this 6TH day of JULY 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth..

(seal)



  
Notary Public,

Acting in the County of Yolo

State of CALIFORNIA

My Commission Expires DEC. 3, 2012

**ASSIGNMENT**

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

**METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING**

  
\_\_\_\_\_  
Sam Eathington

State of MISSOURI )  
County of St. Louis ) ss.

On this 8<sup>th</sup> day of July 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)



Notary Public, *Carol D. Stemmler*

Acting in the County Of *St. Louis*

State Of *MISSOURI*

My Commission Expires *July 16, 2013*



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Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

## METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING

Heather Forbes  
Heather Forbes

State of Missouri )  
County of St. Louis ) ss.

On this 28 day of July 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that she executed the same of her own free will for the purpose therein set forth.


(seal)

Notary Public, Allen F. Jackson  
Acting in the County Of St. Louis  
State Of Missouri  
My Commission Expires 9-9-13

# ASSIGNMENT

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

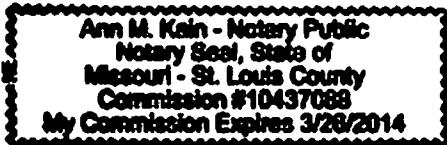
## METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING

  
Bruce Schnicker

State of ST LOUIS MISSOURI )  
County of ST LOUIS ) ss.

On this 29th day of JUNE 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)



Notary Public, 

Acting in the County Of ST LOUIS

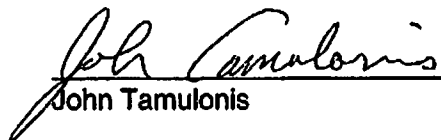
State Of MISSOURI

My Commission Expires 3/26/2014

# ASSIGNMENT

Atty. Docket No. 5089-000034/US/COD  
Applicant Docket No.: 38-21(53439)S

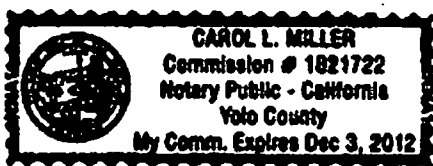
## METHODS OF SEED BREEDING USING HIGH THROUGHPUT NONDESTRUCTIVE SEED SAMPLING

  
\_\_\_\_\_  
John Tamulonis

State of California )  
County of Yolo ) ss.

On this 29<sup>th</sup> day of June 2011, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

(seal)



Notary Public, 

Acting in the County Of Yolo

State Of California

My Commission Expires 3-DEC-12