503344863 06/10/2015

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3391483

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KEVIN L. DEPPERMANN	10/11/2011
MICHAEL W. PETERSEN	09/22/2011
ALLEN N. ONDES	01/31/2012
DAVID W. FINLEY	09/21/2011
WILLIAM M. FISCHER	09/19/2011
JOHN M. JENSEN	09/23/2011
DAVID BUTRUILLE	09/26/2011
STANTON DOTSON	09/28/2011
SAM EATHINGTON	09/19/2011
HEATHER M. FORBES	10/11/2011
BRUCE SCHNICKER	09/20/2011
JOHN TAMULONIS	09/16/2011

RECEIVING PARTY DATA

Name:	MONSANTO TECHNOLOGY LLC
Street Address:	800 NORTH LINDBERGH BLVD.
City:	ST. LOUIS
State/Country:	MISSOURI
Postal Code:	63167

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14685047

CORRESPONDENCE DATA

Fax Number:

(314)726-7501

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Address Line 2:	SUITE 400

REEL: 035885 FRAME: 0533

Address Line 4: ST. L	OUIS, MISSOURI 63105
ATTORNEY DOCKET NUMBER:	5089-000058-US-COB
NAME OF SUBMITTER:	BRIAN G. PANKA
SIGNATURE:	/Brian G. Panka/
DATE SIGNED:	06/10/2015
Total Attachments: 13	
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Attorney Docket No. 5089-000058/US Applicant Docket No.: 52-21(56859)B

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

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

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) A filed on July 19, 2011, and assigned Serial No. 13/186,126.

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.

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PATENT REEL: 035885 FRAME: 0535

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

Kevin L. Deppermänn

13Sour. State of) ss. County of

On this <u>1</u> day of <u>Uctob</u>, 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.

Notary Public,

Alleal F. Jackson

(seal)

Acting in the County Of 54. Lows

State Of

Missouri

My Commission Expires 9 - 9 - 7 - 7

PATENT REEL: 035885 FRAME: 0536

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Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

Michael W. Petersen

State of <u>Wisconsin</u>) ss. County of <u>Dane</u>) ss. On this <u>22nd</u> day of <u>September</u>, 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.

Notary Public, Landre Unter

SANDRA REUTER **NOTARY PUBLIC** (seal) STATE OF WISCONSIN

Acting in the County Of Dane

State Of Wisconsin

My Commission Expires August 31, 2014

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND **RELATED METHODS**

(seal)

State of Mussburg.) ss. County of <u>St Louis</u> City

ے۔ ____, 201≇, before me personally On this <u>3/st</u> day of <u>famulary</u>, 201³, 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.



Notary Public,

Haren M. Goet

Acting in the County Of St. Louis City

State Of Missouri My Commission Expires 10/9/12

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Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

W. Finley

State of <u>Missouri</u>) ss. County of <u>51. Louis</u>

On this <u>2/</u> day of <u>SEPTEMBER</u>, 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.

Notary Public, Chattle her

Acting in the County Of

St. Louis

State Of

Missouri'

My Commission Expires

August 31, 2013

(seal)

CHRISTIAN W. SHOUSE Notary Public, Notary Seal State of Missouri St. Louis County Commission # 09862793 My Commission Expires August 31, 2013

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND **RELATED METHODS**

/illiam M. Fischer

State of $\underline{Missouri}$) County of \underline{St} , Louis) ss.

On this <u>19th</u> day of <u>September</u>, 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.

Notary Public, Christian W. Shouse Chutowhan

(seal)

Acting in the County Of St. Louis

State Of

Missouri

My Commission Expires

August 31,2013



Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

in M. Jensen

State of <u>Missour</u>.)) ss. County of St. Louis

On this 33^{nd} day of 5eptember, 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.

Notary Public, Verto La

Acting in the County Of

State Of Missourd

My Commission Expires August 31st, 2013

(seal)

and the Charles Conference on Charles
CHRISTIAN W. SHOUSE Notary Public, Notary Seal
State of Missouri
Commission # 09862793 My Commission Expires August 31, 2013

PATENT REEL: 035885 FRAME: 0541

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Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND **RELATED METHODS**

David Butrulle

State of 10WA

County of <u>POIK</u>) ss. On this <u>26th</u> day of <u>September</u>, 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.

Notary Public, Aun penelheiser Ledin

(seal)

 AWN NES	SELHEISER-LED	iii
Commissio	n Number 7475	57
My Comr	mission Expires	
620	2013	

State Of DWW

My Commission Expires 6/2013

Acting in the County Of POIK

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

Stanton Dotson

State of California SS. County of Yolo

On this <u>20</u>th day of <u>September</u>, 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.

CAROL L. MILLER Commission # 1821722 Notary Public - California **Yelo County** My Comm. Expires Dec 3, 20

(seal)

Notary Public,

Carol & Miller

Acting in the County Of Yold

State Of California

My Commission Expires Dec. 3, 2012

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

Eathington

State of <u>MISSOURI</u>) ss. County of <u>ST Louis</u>)

On this $\underline{19th}$ day of $\underline{September Rec}$, 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.

Notary Public, Count A Kaca

Ann M. Kain - Nolary Public Notary Seal, State of Missouri - St. Louis County Commission #10437088 Commission Expired 3/28/2014

Acting in the County Of Sr. Louis

State Of MISSOURI

My Commission Expires 3/26/2014

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

Forbes

On this <u>II</u> day of <u>OCTOBER</u>, 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.

Notary Public,

Acting in the County Of

Dane 10/11/11 CURT A. AGNE Notary Public, Notary Seal State of Missouri St. Louis County Commission # 09859003 My Commission Expires August 25, 2013

(seal)

٩

State Of

My Commission Expires

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Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND RELATED METHODS

Bruce Schnicker State of MISSUURI

On this <u>204</u> day of <u>SEPTEMBER</u>, 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.

) ss.

8	Ann M. Kain - Notary Public
2	Notant Real Chairy PUCKC
1	Notary Seal, State of
	Missouri - St. Louis County
5	Commission #10437038
	My Commission Expires 3/26/2014

(seal)

County of ST Louis

Notary Public, Ann Mar Kain

Acting in the County Of Antssoure I ST LOUIS

State Of MISSUURI

My Commission Expires 3/26/2014

Attorney Docket No. 5089-000058/US Applicant Docket No. 52-21(56859)B

AUTOMATED SYSTEMS FOR REMOVING TISSUE SAMPLES FROM SEEDS, AND **RELATED METHODS**

September 16, 2011 amulonis Tamulonis

ifornia State of)) ss. County of

On this <u>lb+h</u> day of <u>September</u>, 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.



Notary Public,

Cauld Miller

Acting in the County Of $\frac{1}{10}$

State Of

California

My Commission Expires 03, Dec. 12