503926795 07/22/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

EPAS ID: PAT3973448

CONVEYING PARTY DATA

Name	Execution Date
KEVIN L. DEPPERMANN	10/16/2013
JENNIFER LISTELLO	10/14/2013
PHILLIP RAHN	10/21/2013
ANGELA R. CARGILL	06/22/2015

RECEIVING PARTY DATA

Name:	MONSANTO TECHNOLOGY LLC
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15200411

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 5089-000032-US-COE NAME OF SUBMITTER: BRIAN G. PANKA SIGNATURE: /Brian G. Panka/ **DATE SIGNED:** 07/22/2016

Total Attachments: 5

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> **PATENT** REEL: 039218 FRAME: 0312 503926795

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PATENT REEL: 039218 FRAME: 0313

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

AUTOMATED CONTAMINATION-FREE SEED SAMPLER AND METHODS OF SAMPLING, TESTING AND BULKING SEEDS

States or International application for patent
aratory to filing (each inventor should sign this she/she signs the Declaration);
; or
nd assigned Serial No. <u>14/032,850;</u> 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, any derivation proceedings relating thereto, and as to Letters Patent any supplemental examination, derivation proceeding, opposition, post grant review, relssue, re-examination, inter partes review, or extension thereof, and for litigation regarding, or for the purpose of defending the validity of or protecting title 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. Assignor further covenants not to challenge, or assist or participate in any third party challenge to, the assigned inventions, or any patent application or patent thereon, whether by litigation, post grant review, inter partes review, covered business method review, reexamination, or otherwise.

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 aforesald, 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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AUTOMATED CONTAMINATION-FREE SEED SAMPLER AND METHODS OF SAMPLING, TESTING AND BULKING SEEDS Kevin L. Depperman State of Missour County of 57. Louis On this \\ \(\begin{align*} \day \text{of} \ \ \day \text{of} \\ \day \quad \text{of} \\ \day \quad \text{of} \\ \day \quad \text{of} \\ \day \quad \text{of} \\ \day \text{o day of Oc. tolor that he executed the same of his own free will for the purposes therein set forth. **Notary Public FELICIA HARVEY** Acting in the County Of St. Laurs (Setal) ry Public-Notary Seal State of Missouri, St Louis County Commission # 12298488 State Of Missour. My Commission Expires Jan 31, 2016 My Commission Expires January 3), 2016

AUTOMATED CONTAMINATION-FREE SEED SAMPLER AND METHODS OF SAMPLING, TESTING AND BULKING SEEDS

Jennifer Listello	
State of Missouril) ss. County of St. Louis) ss.	
the foregoing individual, who executed the f	oregoing instrument and who acknowledged to me will for the purposes therein set forth. Notary Public, Lisa and Bulbadaaa
(seal)	Acting in the County Of St. Louis
*****	State Of Missoufi
Lisa Anne Billadeau Notary Public Notary Seal State of Missour County of Bant Louis City My Commission Expires 07/22/2016	My Commission Expires

AUTOMATED CONTAMINATION-FREE SEED SAMPLER AND METHODS OF SAMPLING, TESTING AND BULKING SEEDS

Phillip Lahr	1ノ
Phillip Rahn	
State of <u>MISSOJAY</u>) County of <u>51. L-0415</u>	_)) 85. _)
On this day of the foregoing individual, who executed the same of his of	, 2013, before me personally appeared cuted the foregoing instrument and who acknowledged to me own free will for the purposes therein set forth.
	Notary Public, Savid T. Mashunger Acting in the County Of 57. Louis
(seal)	Acting in the County Of 57 Louis
	State Of MISSOURI
DAVID L. WASHINGTON NOTARY October 23, 2015 SEAL S. SI. Louis County Commission #11324900	My Commission Expires 10-23-15

AUTOMATED CONTAMINATION-FREE SEED SAMPLER AND METHODS OF SAMPLING, TESTING AND BULKING SEEDS

> PATENT REEL: 039218 FRAME: 0318

RECORDED: 07/22/2016

Commission #13773297