504929111 05/24/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4975857

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JANNE KEROVUO	04/11/2016
SCOTT R. SCHAECHER	04/11/2016
KEN FERREIRA	04/11/2016
MATTHEW MCCOWN	03/28/2016
RADHA G. MOHANTY	04/20/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15777583

CORRESPONDENCE DATA

Fax Number: (202)942-5999

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2029425000

Email: Sandra.Tartisel@ArnoldPorter.com

ARNOLD & PORTER KAYE SCHOLER LLP **Correspondent Name:**

Address Line 1: 601 MASSACHUSETTS AVE., NW

Address Line 2: ATTN: IP DOCKETING Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	P34315US01/0021488.00059
NAME OF SUBMITTER:	XINSONG XU
SIGNATURE:	/Xinsong Xu/
DATE SIGNED:	05/24/2018

Total Attachments: 7

PATENT REEL: 045891 FRAME: 0169

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PATENT REEL: 045891 FRAME: 0170

ASSIGNMENT

WHEREAS, I/we, the undersigned, have made certain invention or inventions which are disclosed in patent application(s) and/or provisional patent application(s) entitled:

Compositions and Methods for Reducing Corn-on-Corn Yield Penalty identified as U.S. Application No. 62/258,118, filed November 20, 2015;

WHEREAS, Monsanto Technology LLC, of 800 North Lindbergh Boulevard, St. Louis, Missouri 63167, a Corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, I/we do hereby sell, assign and transfer to said Monsanto Technology LLC, its successors and assigns, the entire right, title and interest in and to said invention or inventions, in any form or embodiment thereof, and in and to said application(s); and in and to any and all applications filed in any country based thereon, including the right to file applications in countries other than the country of priority filing under the provisions of any international convention; also in and to any and all improvements on said invention or inventions now or hereafter made by me/us as employee(s), agent(s) or contractor(s) of said Monsanto Technology LLC; also the entire right, title and interest in and to any and all patents, including reissues and extensions thereof, to be obtained in any country upon said invention, inventions or improvements; and any and all continuing applications, including divisional, continuation and continuation-in-part applications, substitute applications, and applications claiming benefit of an earlier filed provisional application, which may be filed upon said invention, inventions or improvements in any country; and

I/We hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said Monsanto Technology LLC, as assignee of the entire interest.

I/We further agree, without any payment by Monsanto Technology LLC other than in reimbursement of reasonable expenses I/we may incur, to communicate to said Monsanto Technology LLC, its representatives or agents, any facts relating to said invention, inventions or improvements, including evidence for purposes of interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective.

PATENT REEL: 045891 FRAME: 0171

Signature: Date: 4//1//6 Name: Janne KEROVUO
City and state or country of residence: St. Louis, Missouri
State of <u>MASSAUAC</u>) County of <u>Lineoln</u>) ss.
On this // day of, 2016, before me personally appeared Janua KEROVUO, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof have hereto set my hand and official seal on the day last above written.
(seal) DEBRAH L. MATESICH Notary Public - Notary Seal State of Missouri, Lincoln County Commission # 13543189 My Commission Expires Oct 31, 2017 Notary Public or Consular Officer

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our

signatures.

My Commission expires (C. Ships 7) (Ca) 1

signatures.
Signature Scott R. SCHAECHER Date: 4/11/7 2016
City and state or country of residence: Webster Groves, Missouri
State of 1/4889:084)
County of Lincolar) ss.
On this day of , 2016, before me personally appeared Scott F SCHAECHER, known to me to be the person who executed the foregoing instrument an acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof have hereto set my hand and official seal on the day last above written.
DEBRAH L. MATESICH Notary Public - Notary Seal State of Missouri, Lincoln County Commission # 13543189 My Commission Expires Oct 31, 2017 Notary Public or Consular Officer
My Commission expires (1 1 b) 134 347

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our

Signature: 7= Date: 4/11/2014 Name: Ken FERREIRA City and state or country of residence: Wentzville, Missouri acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written. DEBRAH L. MATESICH Notary Public - Notary Seal State of Missouri, Lincoln County Commission # 13543189 My Commission Expires Oct 31, 2017 Notary Public or Çonsular Öfficer My Commission expires Amberial 6017

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our

signatures.

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.
Signature: Date;
Name: Bradon James FABBRI
City and state or country of residence: Chesterfield, Missouri
State of)
County of) ss.
On this
(seal) Notary Public or Consular Officer
My Commission expires

signatures.
Signature: Date: 428/2018
Name: Matthew MCCOWN
City and state or country of residence: Wildwood, Missouri
State of $\mathfrak{M} \in \mathfrak{SDM}$
State of $\frac{101 \le 50.00}{100}$) County of $\frac{100}{100} \le \frac{100}{100} \le \frac{100}{100} = \frac{100}{100} $
On this 20 day of Matthew, 2016, before me personally appeared Matthew MCCOWN, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.
(seal) TINA M. LAFSER My Commission Expires June 26, 2017 SI. Louis County Commission #13828387 Notary Public or Consular Officer
My Commission expires $\frac{U/2U/2U}{2}$

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our

IN TESTIMONY WHEREOF, I/we have hereto set our hands on the dates set after our signatures.
Signature: Date: 4/22/1-6
Name: Radha G. MOHANTY
City and state or country of residence: Ballwin, Missouri
State of MISSOUC. State of St. Louis County County of St. Louis County Commission #13828307
On this O day of April . 2016, before me personally appeared Radha G. MOHANTY, known to me to be the person who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.
(seal) Notary Public or Consular Officer
My Commission expires $\frac{\omega/\partial\omega/\partial\omega/\partial}{\partial\omega}$