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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
L. ALEKSANDER LYZNIK				03/25/2016	
RECEIVING PARTY DA	TA				
Name:	PIONEER HI-BRED INTERNATIONAL, INC.				
Street Address:	7100 NW 62ND AVENUE				
Internal Address:	P.O. BOX 1014				
City:	JOHNST	JOHNSTON			
State/Country:	IOWA				
Postal Code:	50131-1	50131-1014			
Property Type		Number			
Application Number					
Application Number:	1	4913630			
CORRESPONDENCE D	ΑΤΑ				
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	ATA (; e sent to	4913630 302)355-4243 the e-mail address first; if that is			
CORRESPONDENCE D Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	ATA (; e sent to provided;	4913630 302)355-4243			
<i>using a fax number, if µ</i> Phone: Email:	ATA (; e sent to provided; 3 p	4913630 302)355-4243 <i>the e-mail address first; if that is</i> <i>if that is unsuccessful, it will be</i> 029994278 to-legal.prc@dupont.com	sent via US		
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Atty Docket No.: BB2284USPSP2

WORLDWIDE ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, I, L. Aleksander Lyznik, at PIONEER HI-BRED INTERNATIONAL, INC., 7250 NW 62nd Avenue, P.O. Box 552, Johnston, Iowa 50131-0552, the undersigned inventor(s) has sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

PIONEER HI-BRED INTERNATIONAL, INC. 7100 NW 62nd Avenue P.O. Box 1014 Johnston, Iowa 50131-1014

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions in "PLANT GENOME MODIFICATION USING GUIDE RNA/CAS ENDONUCLEASE SYSTEMS AND METHODS OF USE", including all improvements to said invention ("Invention")

as set forth in this United States Patent Application and in the PCT Patent Application

executed concurrently herewith

executed on

US Serial No. 61/882532 filed September 25, 2013 and;

PCT Serial No. filed ,

which claim(s) priority as of filed ______ Serial No. ______

including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuationsin-part, international and Convention applications based in whole or in part upon said Inventions or upon said Applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said Inventions or upon said Applications and every priority right that is or may be predicated upon or arise from said Inventions, said Applications, and said Letters Patent, said Assignee being hereby authorized to file patent applications in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; said assignment including the right to bring legal proceedings and obtain any relief to which the undersigned would have been entitled if this assignment had not been made, in respect of any infringements of the undersigned's rights in relation to said inventions, Applications and Letters Patent which occur before or after the date of this assignment; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and

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lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said Inventions, and to testify in any proceedings relating to said Inventions, patent applications, Letters Patent, and to bind our heirs, legal representatives, and assigns, promptly to communicate to said Assignee or its representatives any facts known to us relating to said Inventions, to testify in any interference or legal proceedings involving said Inventions, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors or assigns to secure patent or similar protection for said Inventions and to vest in the Assignee complete title to said Inventions and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

The undersigned hereby grant an authorized representative of Assignee the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office or the Patent Office of any other country for recordation of this Assignment.

This assignment is deemed to be effective at least as early as of September 25, 2013.

, Aleksa<u>nder Lyznik</u>

RECORDED: 07/11/2017

1 A. pyrle Hande 2514, 2016

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