## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
RUSSEL MILES PINNISCH	03/30/2016
JOACHIM ERNST KRAMER	08/05/2016

#### **RECEIVING PARTY DATA**

Name:	PIONEER HI-BRED INTERNATIONAL, INC.
Street Address:	7100 NW 62ND AVE
City:	JOHNSTON
State/Country:	IOWA
Postal Code:	50131

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15086997

#### **CORRESPONDENCE DATA**

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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.

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Correspondent Name: LYNDA FITZPATRICK
Address Line 1: 7250 NW 62ND AVE
Address Line 4: JOHNSON, IOWA 50131

ATTORNEY DOCKET NUMBER:	6207-US-NP
NAME OF SUBMITTER:	LYNDA M FITZPATRICK
SIGNATURE:	/lmfitzpatrick/
DATE SIGNED:	08/17/2016

#### **Total Attachments: 2**

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PATENT 503964820 REEL: 039468 FRAME: 0862

# WORLDWIDE ASSIGNMENT I, the undersigned RUSSEL MILES PINNISCH, hereby declare that I am an inventor of an invention entitled MAIZE INSRED PHISGH

Patent Application Serial No. 15/086997 , filed on March 31, 2016 ,

PATENT REEL: 039468 FRAME: 0863

Johnston, Iowa 50131-1014, herein referred to as to (A) the entire right, title, and interest in and rights derived from such aforesaid application(s) for Property ("International Convention") and any occurries of the International Convention or other (3) any and all of my inventions, whether joint of arising out of such aforesaid application(s) for Paterin any country whatsoever, including all provisions part, international and convention applications bat Inventions, (5) any and all patents for any such in extensions of any patent based in whole or in part the entire right to (1) file such applications in its in Convention or any other treaty or understanding, and Trademarks of the United States of America as transfer all of said patents to said assignee in account damages for any and all infringements thereosaid patents may be granted, as fully and entirely assignment;  II. Agree, whenever assignee asks, without further (A) to communicate to said assignee, its successors, the location of that testimony to be in the cabove, the location of that testimony to be in the cabove, the location of that testimony to be in the cabove, the location of that testimony to be in the cabove, the location of that testimony to be in the cabove, the location of that testimony to be in the cabove, the location of that testimony, oaths, assignment by said assignee, its successors, assigns and legal including petitions, specifications, oaths, assignment requested by said assignee and (D) generally to representatives to obtain, maintain, defend and en with assignee;  III. Represent, warrant and covenant that I have the	to: (1) the aforesaid application Patent by virtue of the intersite or Patent by virtue of the intersite ther treaty or understanding, inclined sole, disclosed in such aforeal, non-provisional, divisional, resed in whole or in part upon since in whole or in part upon since in my country whats upon such aforesaid applicationame or in my name, (2) file sole, and any counterpart in any other and any counterpart in any other and any counterpart in any other as the same would have been compensation but at assignee' assors, assigns, and legal representify in any legal proceeding is country in which I reside or in the mony, (C) to execute all applications, disclaimers, and lawful do everything possible to aid force patent protection for such force patent protection for such force in the proceeding patent protection for such force patent protection for such force patent protection for such as the same would have been as	on(s) for Letters Patent ("Patent"), national Convention for the Protect for intellectual property for any uding rights in any and all provisions and application(s) for Patent, and all applications for Patent for any renewal, substitute, continuation, such aforesaid application(s) for Patent for any renewal, substitute, continuation, such aforesaid application(s) for Patent and/or such applications under the aforesain its name or mine, the Commission patent office being hereby authorize said patents and to sue for any ure, to the full end of the term or held and enjoyed by the undersigns expense for actual and reasonable sentatives, any facts known to me respecting such inventions or the he nearest country in which such to tions, papers or instruments neces to effect any of the provisions of affidavits in form and substance if said assignee, its successors, as the inventions and/or secure title to	tion of Industrial and all member in applications, for related to or such Inventions tontinuations-intent and/or such ms, reissues and in inventions; (B) aid International ioner of Patents in ized to issue or direcover profits terms for which ned without this e costs incurred, respecting such rights described estimony is legal sary or required this instrument, which may be signs, and legal such Inventions
is not pre-dated by any grant, license, or other right IV.  Agree that my grants and obligations herein sh	t heretofore given by me to any	party other than the assignee her	eto:
assigns; and			
V. Agree that an authorized representative of a identification which may be necessary or desirable office of any other country for recordation of the regarding application number and filing date when In Witness Whereof, I have executed this Worldwin	to comply with the rules of the his Assignment, including the known.	ne U.S. Patent and Trademark Offic power to insert on this assignm	ce of the patent ent information
Assignment shall be effective as of the earliest prior	rity date for the aforesald appli	cation(s) for Letters Patent.	13.00.00
RUSSEL MILES PINNISCH Name of inventor 1	Lase James Signature of Inventor	1 03-30-20 Date	Ų.

the subject matter of which is described in the application for patent (Attorney Docket No: 6207-US-NP )

obligation of assignment to assignee, which is hereby acknowledged, I hereby:

filed on

which claim(s) its earliest priority to Application Serial No.

For valuable consideration, the receipt and adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing

I. Sell, assign, and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the State of lowa in the United States of America and having its principal place of business at 7100 NW 62<sup>nd</sup> Avenue, P.O. Box 1014,

declaration executed on

United States Of America

PCT Application Serial No.

 $\boxtimes$ 

#### WORLDWIDE ASSIGNMENT

	WORLDWIDE ADJUSTMENT
	by declare that I am an inventor of an invention entitled MAIZE INBRED PH18GH cation for patent (Attorney Docket No: 6207-US-NP_)
declaration executed on	
	Application Serial No. 15/086997 , filed on March 31, 2016
PCT Application Serial No.	filed on
which claim(s) its earliest priority to Application Se	
	adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereb	
I. Sell, assign, and transfer unto PIONEER HI-BRED II	NTERNATIONAL, INC., a corporation organized and existing under the laws of the
	having its principal place of business at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 1014,
	e assignee, and to assignee's successors and assigns,
	b: (1) the aforesaid application(s) for Letters Patent ("Patent"), (2) any priority
	Patent by virtue of the International Convention for the Protection of Industrial
	ner treaty or understanding for intellectual property for any and all member
	treaty or understanding, including rights in any and all provisional applications,
	sole, disclosed in such aforesaid application(s) for Patent, and/or related to or at ("inventions"), (4) any and all applications for Patent for any such inventions
	, non-provisional, divisional, renewal, substitute, continuation, continuations-in-
	ed in whole or in part upon such aforesaid application(s) for Patent and/or such
	ventions in any country whatsoever, including any and all reexams, reissues and
	upon such aforesaid application(s) for Letters Patent and/or such Inventions; (B)
	ame or in my name, (2) file such applications under the aforesaid International
	3) have said patents granted in its name or mine, the Commissioner of Patents
	d any counterpart in any other patent office being hereby authorized to issue or
	dance herewith, and (4) enforce said patents and to sue for and recover profits
	whether past, present or future, to the full end of the term or terms for which
	s the same would have been held and enjoyed by the undersigned without this
assignment;	
II. Agree, whenever assignee asks, without further of	compensation but at assignee's expense for actual and reasonable costs incurred,
(A) to communicate to said assignee, its success	sors, assigns, and legal representatives, any facts known to me respecting such
· · · · · · · · · · · · · · · · · · ·	stify in any legal proceeding respecting such Inventions or the rights described
	ountry in which I reside or in the nearest country in which such testimony is legal
	ony, (C) to execute all applications, papers or instruments necessary or required
	representatives, to carry into effect any of the provisions of this instrument,
	ents, disclaimers, and lawful affidavits in form and substance which may be
and the second of the second o	do everything possible to aid said assignee, its successors, assigns, and legal
	orce patent protection for such Inventions and/or secure title to such Inventions
with assignee;	Ell & Served Look Land the Above weeks this continuent the trade and relative
•	e full right and lawful authority to make this assignment, that such assigned right
	heretofore given by me to any party other than the assignee hereto;
	all also bind all of my heirs, executors, administrators, legal representatives, and
assigns; and	ssignee is hereby granted the power to insert in this assignment any further
	to comply with the rules of the U.S. Patent and Trademark Office or the patent
	is Assignment, including the power to insert on this assignment information
regarding application number and filing date when I	
	de Assignment on the date indicated by my hand and agree that this Worldwide
*	
Assignment shan be effective as of the earliest priori	ty date for the aforesaid application(s) for Letters Patent.
TO A OFTEN STRIPS IN THE SAME	Logdin & Killery Aug. 5th, 2016
JOACHIM ERNST KRAMER	FAGARAM - LANGA TIME - KAID
Name of Inventor 2	Signature of Inventor Date

PATENT REEL: 039468 FRAME: 0864

**RECORDED: 08/17/2016**