#### 505564812 07/10/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5611609

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
EDWIN MICHAEL GROTE	05/08/2019
ANDREW JON ROSS	05/10/2019

## **RECEIVING PARTY DATA**

Name:	PIONEER HI-BRED INTERNATIONAL, INC.	
Street Address:	7100 NW 62ND AVENUE	
Internal Address:	PO BOX 1014	
City:	JOHNSTON	
State/Country:	IOWA	
Postal Code:	50131-1014	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16441261

## CORRESPONDENCE DATA

Fax Number: (515)535-6883

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: 515-535-5859

Email: IPSUPPORT@PIONEER.COM

Correspondent Name: PIONEER HI-BRED INTERNATIONAL, INC.

Address Line 1: 7250 NW 62ND AVENUE

Address Line 2: PO BOX 552

Address Line 4: JOHNSTON, IOWA 50131-0552

ATTORNEY DOCKET NUMBER:	7912-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/LYNDA M. FITZPATRICK/
DATE SIGNED:	07/10/2019

**Total Attachments: 2** 

source=7912USNP\_EXECUTEDASSIGNMENT#page1.tif source=7912USNP\_EXECUTEDASSIGNMENT#page2.tif

**PATENT REEL: 049714 FRAME: 0372** 505564812

WORLDWIDE ASSIGNMENT				
l, the undersigned EDWIN MICHAEL GROTE, hereby declare that I am an inventor of an invention entitled MAIZE INBRED PH48JH the				
subject matter of which is described in the application for patent (Attorney Docket No: 7912-US-NP)				
$\overline{X}$ declaration executed on $2019$				
United States Of America Patent Application Serial No. , filed on				
PCT Application Serial No. 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				
obligation of assignment to assignee, which is hereby acknowledged, I hereby:				
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.				
ionnston, lowa 50131-1014, herein referred to as the assignee, and to assignee's successors and assigns,				
(A) the entire right, title, and interest in and to: (1) the aforesaid application(s) for Letters Patent ("Patent"). (2) any priority				
rights derived from such aforesaid application(s) for Patent by virtue of the International Convention for theProtection of Industrial				
Property ("International Convention") and any other treaty or understanding for intellectual property for any and all member				
countries of the International Convention or other treaty or understanding, including rights in any and all provisional applications,				
(3) any and all of my inventions, whether joint or sole, disclosed in such aforesaid application(s) for Patent, and/or related to or				
arising out of such aforesaid application(s) for Patent ("Inventions"), (4) any and all applications for Patent for any such Inventions				
in any country whatsoever, including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in-				
part, international and convention applications based in whole or in part upon such aforesaid application(s) for Patent and/or such inventions, (5) any and all patents for any such inventions in any country whatsoever, including any and all reexams, reissues and				
extensions of any patent based in whole or in part upon such aforesaid application(s) for Letters Patent and/or such Inventions; (B)				
the entire right to (1) file such applications in its name or in my name, (2) file such applications under the aforesaid International				
Convention or any other treaty or understanding, (3) have said patents granted in its name or mine, the Commissioner of Patents				
and Trademarks of the United States of America and any counterpart in any other patent office being hereby authorized to issue or				
rransfer all of said patents to said assignee in accordance herewith, and (4) enforce said patents and to sue for and recover profits				
and damages for any and all infringements thereof, whether past, present or future, to the full end of the term or terms for which				
said patents may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned without this				
assignment;				
I. Agree, whenever assignee asks, without further compensation but at assignee's expense for actual and reasonable costs incurred,				
(A) to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting such				
nventions or the rights described above, (B) to testify in any legal proceeding respecting such Inventions or the rights described				
above, the location of that testimony to be in the country in which I reside or in the nearest country in which such testimony is legal				
should my country of residence prohibit such testimony, (C) to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrument,				
ncluding petitions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may be				
requested by said assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and legal				
representatives to obtain, maintain, defend and enforce patent protection for such Inventions and/or secure title to such Inventions				
with assignee;				
II. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned right				
s not pre-dated by any grant, license, or other right heretofore given by me to any party other than the assignee hereto:				
<ol> <li>Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and</li> </ol>				
assigns; and				
V. Agree that an authorized representative of assignee is hereby granted the power to insert in this assignment any further				
dentification 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, including the power to insert on this assignment information regarding application number and filing date when known.				
n Witness Whereof, I have executed this Worldwide Assignment on the date indicated by my hand and agree that this Worldwide				
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.				
$A_{0} \sim A_{-}$				
EDWIN MICHAEL GROTE May 8 2019				
EDVIN WICHAEL GROTE - // /KV / 1//6. 8 90/9				

Signature of Inventor

Name of Inventor 1

PATENT REEL: 049714 FRAME: 0373

	WORLDWIDE ASSIGNMENT	
I, the undersigned <u>ANDREW JON ROSS</u> , h subject matter of which is described in the		invention entitled MAIZE INBRED PH48JH the
declaration executed on	5/10/19	The state of the s
United States Of America	Patent Application Serial No.	, filed on,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Appl	lication Serial No.	
For valuable consideration, the re	ceipt and adequacy of which is hereby ack	nowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which	h is hereby acknowledged, I hereby:	
		on organized and existing under the laws of the
		ness at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referre		
		for Letters Patent ("Patent"), (2) any priority
		onal Convention for the Protection of Industrial intellectual property for any and all member
		interiorcular property for any and all member ig rights in any and all provisional applications,
	*	application(s) for Patent, and/or related to or
		applications for Patent for any such Inventions
		wal, substitute, continuation, continuations-in-
the state of the s		aforesaid application(s) for Patent and/or such
Inventions, (5) any and all patents for any	y such inventions in any country whatsoev	er, including any and all reexams, reissues and
		) for Letters Patent and/or such inventions; (B)
		applications under the aforesald International
		ts name or mine, the Commissioner of Patents
		atent office being hereby authorized to issue or
		said patents and to sue for and recover profits
		, to the full end of the term or terms for which d and enjoyed by the undersigned without this
assignment;	current to the same storing make peen me	a and anioher of the directoring new androc con-
· · · · · · · · · · · · · · · · · · ·	further compensation but at assignee's ex	pense for actual and reasonable costs incurred,
•		tatives, any facts known to me respecting such
		pecting such inventions or the rights described
		nearest country in which such testimony is legal
should my country of residence prohibit su	ich testimony, (C) to execute all application	ns, papers or instruments necessary or required
· · · · · · · · · · · · · · · · · · ·		ffect any of the provisions of this instrument,
		idavits in form and substance which may be
		aid assignee, its successors, assigns, and legal
	d and enforce patent protection for such if	nventions and/or secure title to such Inventions
with assignee;	t kan in this Eist states and transition of the state of the	make this assignment, that such assigned right
is not pre-dated by any grant, license, or of		
		utors, administrators, legal representatives, and
assigns; and	and the second second second second	,
	tive of assignee is hereby granted the p	ower to insert in this assignment any further
		J.S. Patent and Trademark Office or the patent
		wer to insert on this assignment information
regarding application number and filing da	te when known.	
In Witness Whereof, I have executed this	Worldwide Assignment on the date indica	ited by my hand and agree that this Worldwide
Assignment shall be effective as of the earl	iest priority date for the aforesaid application	on(s) for Letters Patent.
		5 / m/ / /
ANDREW JON ROSS	Callen for Ke	5/10/19
Name of Inventor 2	Signature of Inventor	Date

**PATENT** 

**REEL: 049714 FRAME: 0374**