# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
EDWIN MICHAEL GROTE	03/16/2016
SUZANNE MICHELLE MICKELSON	03/14/2016

### **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:	15086583

### **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:** 515-535-0647

Email: ipsupport@pioneer.com
Correspondent Name: LYNDA FITZPATRICK
Address Line 1: 7250 NW 62ND AVE
Address Line 4: JOHNSON, IOWA 50131

ATTORNEY DOCKET NUMBER:	7071-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/lmfitzpatrick/
DATE SIGNED:	09/27/2016

# **Total Attachments: 2**

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PATENT 504024089 REEL: 039867 FRAME: 0127

	<u>WORLD</u> WIDE ASSIGN	MENT			
I, the undersigned EDWIN MICHAEL GRO	OTE, hereby declare that I am an	inventor of an ir	vention entit	led <u>MAIZE INBRED P</u>	H2TCG
the subject matter of which is described i	n the application for patent (Attor	ney Docket No:	7071-US-NP	_)	
declaration executed on United States Of America					
<u> </u>	Patent Application Serial No.	15/086583	, filed on	March 31, 2016	_,
PCT Application Serial No.	filed on				
which claim(s) its earliest priority to Ap			, filed o	on	<u></u> .
ror valuable consideration, the r	eceipt and adequacy of which is h	ereby acknowled	ged, and in fu	ifillment of my pre-e	existing
obligation of assignment to assignee, whi	HI-BRED INTERNATIONAL INC.	by:			
I. Sell, assign, and transfer unto PIONEER State of lowa in the United States of An	nerica and having its principal pla	corporation orga	inized and exi	sting under the laws	of the
Johnston, Iowa 50131-1014, herein referr	ed to as the assignee, and to assign	nee's successors	and assigns	z Avenue, P.O. Box	1014,
(A) the entire right, title, and interesting	st in and to: (1) the aforesaid app	plication(s) for Le	tters Patent (	"Patent") (2) anv r	ariority
rights derived from such aforesaid applica	ation(s) for Patent by virtue of the	International Co	nvention for	the Protection of Ind	lustrial
Property ("international Convention") a	nd any other treaty or understar	nding for intelled	ctual property	v for any and all m	ember
countries of the international Convention	າ or other treaty or understandin	g, including right	s in any and a	all provisional applic	ations.
(3) any and all of my inventions, whether	er joint or sole, disclosed in such	aforesaid applic	ation(s) for Pa	atent, and/or related	d to or
arising out of such aforesaid application(s	) for Patent ("Inventions"), (4) a	ny and all applica	ations for Pate	ent for any such Inve	entions
in any country whatsoever, including all poart, international and convention applic	novisional, non-provisional, givisi	onal, renewal, su	bstitute, cont	inuation, continuation	ons-in-
nventions, (5) any and all patents for ar	NV such inventions in any country	whatsoever incl	uding any an	n(s) for Patent anα/o	or such
extensions of any patent based in whole	or in part upon such aforesaid apr	olication(s) for Le	tters Patent a	nd/or such Invention	es allu nc· (R)
the entire right to (1) file such applicatio	ns in its name or in my name, (2	) file such applica	ations under 1	the aforesaid Interna	ational
convention or any other treaty or under:	standing, (3) have said patents gr	anted in its name	e or mine, the	Commissioner of P	atents
and Trademarks of the United States of A	merica and any counterpart in an	y other patent of	ffice being hei	reby authorized to is	sue or
transfer all of said patents to said assigne	e in accordance herewith, and (4	<ul> <li>enforce said pa</li> </ul>	itents and to	sue for and recover	profits
and damages for any and all infringement	ts thereof, whether past, present	or future, to the	full end of th	e term or terms for	which
said patents may be granted, as fully and assignment;	entirely as the same would have	been held and e	njoyed by the	e undersigned witho	ut this
Agree, whenever assignee asks, without	it further componentian but at acc	ianos's synamos A			
(A) to communicate to said assignee,	its successors, assigns, and legal	renresentativos	any facte kno	reasonable costs inc	urrea,
nventions or the rights described above	, (B) to testify in any legal proces	eding respecting	such Inventio	ns or the rights des	cribed
ibove, the location of that testimony to b	f e in the country in which I reside $f e$	or in the nearest	country in wh	nich such testimony i	s legal
should my country of residence prohibit s	uch testimony, (C) to execute all a	pplications, pape	ers or instrum	ents necessary or rea	auired
by said assignee, its successors, assigns	and legal representatives, to car	ry into effect an	y of the prov	visions of this instru	ıment.
ncluding petitions, specifications, oaths,	assignments, disclaimers, and l	awful affidavits	in form and	substance which m	ay be
equested by said assignee and (D) gen	erally to do everything possible	to aid said assi	gnee, its succ	essors, assigns, and	i legal
epresentatives to obtain, maintain, defer vith assignee;	id and enforce patent protection i	for such invention	ns and/or seci	ure title to such inve	ntions
II. Represent, warrant and covenant that	I have the full right and lawful au	thority to make t	hic accianmor	at that such assigned	d riabt
s not pre-dated by any grant, license, or o	ther right heretofore given by me	to any party other	er than the as	it, that such assigned signee hereto:	r uBur
V. Agree that my grants and obligations	herein shall also bind all of my he	eirs, executors, ac	ministrators.	legal representative	s. and
issigns; and					
Agree that an authorized representa	tive of assignee is hereby grant	ed the power to	insert in thi	is assignment any fi	urther
dentification which may be necessary or	desirable to comply with the rule	s of the U.S. Pate	ent and Trade	mark Office or the p	oatent
office of any other country for recordat	ion of this Assignment, including	g the power to	insert on thi	s assignment inforn	nation
egarding application number and filing da		_			
No Witness Whereof, I have executed this	Worldwide Assignment on the da	ite indicated by r	my hand and	agree that this Work	dwide
ssignment shall be effective as of the ear	nest priority date for the aforesaid	application(s) fo	r Letters Pate	nt.	
	1				
EDWIN MICHAEL GROTE	1/1/1/1	//~\\\	<b>て</b> ー/	16-2016	
Name of Inventor 1	Signature of Inventor	/		6 000	
= =	Signature of mixeliful		Date		

**PATENT REEL: 039867 FRAME: 0128** 

WORLDWIDE ASSIGNMENT				
I, the undersigned SUZANNE MICHELLE MICKELSON, hereby declare that I am an inventor of an invent				
PH2TCG the subject matter of which is described declaration executed on	l in the application for pate	nt (Attorney Docke	et No: 7071-US-NP )	
,	tent Application Serial No.	15/086583	, filed on	
which claim(s) its earliest priority to Application For valuable consideration, the receipt is	n Serial No.	***************************************	, filed on	
			ed, and in fulfillment of my pre-existing	
o. usus, s. essectioners to agaignee, Millell is the	FCDV acknowledged I hard	kio-		
1. Seil, assign, and transfer unto PIONEER HI-BRE	DINTERNATIONAL INC. a.	cornoration organ	ized and existing under the laws of the	
and the same of th	IBO BAVIDO ITS NOBCIDAL MA.	co of buckmore of	71/00 bills/ cond a	
any many page account at the fill refelled to 9	S the assignee, and to accio	HAB'T CUPPACCORE A	nd andana	
to the entire right, thie, and interest in an	d to: (1) the aforesaid ann	dication(c) for Latt	ner Datont Illanamall 193	
and an analysis and applications	BOT Patent by writing of the	International Pani	Constinut fact the Name and the Control of the Control	
A Convenient Courcition 1 Sild Silv	Other treaty or understar	adina for intallanti	(id) propositive the and an array of the contract of the contr	
The same of the constitution of the same o	iei Treaty or upnerstanding	a including circles i	in none and all appropriate and according	
and any are any precinions, which follie	OF SOIR, DISCIOSRO IN CHAN-	atoracoid analisati	invitations that are a substitution to the	
and and a special profession application (2) 101 ES	ueni ("inventions") (a) a	nu and all analiesti	lane for Detailer and visit to the	
and a property in a continuing an provision	88), non-provisional, divisir	anal renewal coh	ctitute continuation continuation is	
Sand uncertained and contradition abbitcatibus t	18580 in Whole or in nart o	non such afaracair	I application (a) for the core and ( )	
and any and any artists tot still \$800.	inventions in any country	whatenever includ	ting and and all account water out that	
extensions of any patent based in whole or in pa	ruupon such aforesaid app	lication(s) for Lette	ers Patent and/or such Inventions; (B)	
the entire right to (1) file such applications in it.	o tiame of in my name, (2)	file such applicati	ons under the aforesaid International	
Convention or any other treaty or understanding and Trademarks of the United States of America transfer all of said patents to said assistance in a said assistance.	s, (a) nave said patents gra	inted in its name (	or mine, the Commissioner of Patents	
transfer all of said patents to said assignee in acc	ond any counterpart in am	A other bateut our	te being hereby authorized to issue or	
and damages for any and all infringements there	of whether nest procent.	or future to the fo	ints and to sue for and recover profits	
said patents may be granted, as fully and entirel	v as the same would have	hoon hald and and	in end of the term or terms for which	
assignment;	y we the same would have	been held and en	oyed by the undersigned without this	
II. Agree, whenever assignee asks, without furthe	r compensation but at acci	rmante nunanca fai	enchant and market the control of	
(A) to communicate to said assignee, its suc	cessors, assigns, and legal	source a expense for	actual and reasonable costs incurred,	
Inventions or the rights described above, (B) to	testify in any legal procee	ding recognition of	ch inventions of the sights described	
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- suggested to the state of the	imony, (C) to execute all a	unitrations nanare	ar instruments nagoressy, as samulad	
as any assigned its sucressors, 92218U2 9UG 166	al representatives to carr	winth offert and	of the nemicions of all luckness is	
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saveraged at some gasignee and (n) Reliefshit fi	g do everything possible :	to aid said accion.	as its princepose assigns and Innal	
- It to the control to the control of the contr	nforce patent protection for	or such Inventions	and/or secure title to such inventions	
representatives to obtain, maintain, defend and enforce patent protection for such Inventions and/or secure title to such Inventions with assignee;				
III. Represent, warrant and covenant that I have t	he full right and lawful aut	hority to make this	assignment that such assigned right	
III. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned right is not pre-dated by any grant, license, or other right heretofore given by me to any party other than the assignee hereto;				
The open control of the control of t				
4448.143.41.44				
V. Agree that an authorized representative of assignee is hereby granted the power to insert in this assignment any further identification which may be processary or designable to the power to insert in this assignment any further				
The state of the s				
and other country for recordation of this Assignment, including the narror to incort on this resignment including				
in Witness Whereof, I have executed this Worldy	vide Assignment on the da	te 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.				
SUZANNE MICHELLE MICKELSON	a march	<b>.</b>	S vi ti	
Name of Inventor 2	Morninger	WW.	3-14-16	
commons bitaching	Signature of Inventor		Date	

**RECORDED: 09/27/2016** 

**PATENT REEL: 039867 FRAME: 0129**