# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4902148

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
EVERTON ALEN BRENNER	02/16/2018
MARIO ROSARIO CARLONE, JR	03/02/2018
TRAVIS J LEE	02/02/2018
BRANDON MICHAEL WARDYN	03/05/2018

### **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:	15924314

#### **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:	7592-US-NP
NAME OF SUBMITTER:	LYNDA M FITZPATRICK
SIGNATURE:	/Imfitzpatrick/
DATE SIGNED:	04/05/2018

Total Attachments: 4

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# **WORLDWIDE ASSIGNMENT**

	AACIVED AAIDE VOOIGIA	IAIPIA:			
I, the undersigned EVERTON ALEN BRENNER	•				<u> 1984</u>
the subject matter of which is described in the	application for patent (Attor	ney Docket No: 1	592-US-NP	J	
declaration executed on	Data and Assault and the Contail No.	15/004014	Ett 1	02/10/2010	
	Patent Application Serial No.	15/924314	, filed on .	03/19/2016	,
PCT Application Serial No.	filed on		61_1	_	
which claim(s) its earliest priority to Applica For valuable consideration, the recei		anabu aakaaudad	filed c		Istina
obligation of assignment to assignee, which is			seu, anu m ru	minnent of my pre-exi	sung
I. Sell, assign, and transfer unto PIONEER HI-E			nized and exi	sting under the laws o	of the
State of Iowa in the United States of Americ					
Johnston, Iowa 50131-1014, herein referred t				•	
(A) the entire right, title, and interest in					
rights derived from such aforesaid application					
Property ("International Convention") and a					
countries of the International Convention or					
<ul><li>(3) any and all of my inventions, whether journal arms</li><li>(5) for any arms</li><li>(6) for any arms</li><li>(7) for any arms</li><li>(8) for any arms</li><li>(9) for any arms</li><li>(10) for any arms</li><li>(10) for any arms</li><li>(10) for any arms</li><li>(11) for any arms</li><li>(12) for any arms</li><li>(13) for any arms</li><li>(13) for any arms</li><li>(14) for any arms</li><li>(15) for any arms</li><li>(15)</li></ul>					
in any country whatsoever, including all prov				-	
part, international and convention application					
Inventions, (5) any and all patents for any su	•	-	• •		
extensions of any patent based in whole or in	part upon such aforesald app	olication(s) for Let	ters Patent a	nd/or such Inventions	; (B)
the entire right to (1) file such applications in	· · · · · · · · · · · · · · · · · · ·				
Convention or any other treaty or understan					
and Trademarks of the United States of Amer transfer all of said patents to said assignee in	•		•	•	
and damages for any and all infringements the					
said patents may be granted, as fully and ent					
assignment;	, as anotame modile mare		,.,	· unuo.oig.iou ivvaious	
II. Agree, whenever assignee asks, without fu	rther compensation but at ass	ignee's expense f	or actual and	reasonable costs incui	rred,
(A) to communicate to said assignee, its					
Inventions or the rights described above, (B)					
above, the location of that testimony to be in	=		•	-	-
should my country of residence prohibit such by said assignee, its successors, assigns and					
including petitions, specifications, oaths, as:					
requested by said assignee and (D) general					
representatives to obtain, maintain, defend a					
with assignee;					
III. Represent, warrant and covenant that I ha					right
s not pre-dated by any grant, license, or other	- · ·			-	
<ul> <li>V. Agree that my grants and obligations here assigns; and</li> </ul>	in shall also bind all of my he	eirs, executors, ad	ministrators,	legal representatives,	and
assigns; and V. Agree that an authorized representative	onf accionage is horoby grant	ed the nower to	incort in th	ic accidenment any fur	thor
dentification which may be necessary or desi					
office of any other country for recordation					
regarding application number and filing date v		• ,			
n Witness Whereof, I have executed this Wo	ridwide Assignment on the d	ate indicated by r	ny hand and	agree that this World	wide
Assignment shall be effective as of the earliest					
	X WM	<u> </u>	フィ	16-18	
EVERTON ALEN BRENNER				16-18	
Name of Inventor 1	Signature of Inventor		Date		

	WORLDWIDE ASSIGNI				
i, the undersigned MARIO ROSARIO	CARLONE, JR, hereby declare that I	am an inventor of	of an inventi	on entitled MAIZE H	<u>YBRID</u>
X05M984 the subject matter of which	is described in the application for pat	ent (Attorney Doc	ket No: <u>/59</u>	<u>2-U5-NP</u> )	
declaration executed on		15/00/01		00/40/0040	
United States Of America	Patent Application Serial No.	15/924314	_, filed on	03/19/2018	_*
PCT Application Serial No	filed on				
which claim(s) its earliest priority to	Application Serlal No.		, filed o		<b>-:</b>
	e receipt and adequacy of which is h		ed, and in fu	ilfillment of my pre-e	kisting
obligation of assignment to assignee, v				latina condantho losso	of the
I. Sell, assign, and transfer unto PIONE	ER HI-BRED INTERNATIONAL, INC., a	corporation organ	7100 NW 6:	Isling under the laws	1014
State of Iowa in the United States of Johnston, Iowa 50131-1014, herein ref	America and naving its principal plan	noo's successors at	nd accions	L Avenue, 1.0. box	1014,
(A) the entire right title and inte	erest in and to: (1) the aforesaid app	lication(s) for Let	ters Patent	("Patent"). (2) anv p	riority
rights derived from such aforesaid app	dication(s) for Patent by virtue of the	International Cor	vention for	the Protection of Ind	ustrial
Property ("International Convention")	and any other treaty or understar	nding for intellect	ual propert	y for any and all me	ember
countries of the International Conven	tion or other treaty or understanding	g, including rights	in any and	all provisional applica	ations,
(3) any and all of my inventions, who	ether joint or sole, disclosed in such	aforesaid applica	tion(s) for P	atent, and/or related	to or
arising out of such aforesaid application	n(s) for Patent ("Inventions"), (4) a	ny and all applicat	tions for Pat	ent for any such Inve	ntions
in any country whatsoever, including a	all provisional, non-provisional, divisi	onal, renewal, suk	stitute, con	tinuation, continuation	ns-in-
part, international and convention app	olications based in whole or in part u	ipon such aforesa	d applicatio	n(s) for Patent and/o	r such
Inventions, (5) any and all patents for	any such inventions in any country	whatsoever, inclu	ding any an	d all reexams, reissu	es and
extensions of any patent based in who					
the entire right to (1) file such application convention or any other treaty or unc					
and Trademarks of the United States of					
transfer all of said patents to said assi					
and damages for any and all infringen	nents thereof, whether past, present	or future, to the	full end of t	he term or terms for	which
said patents may be granted, as fully	and entirely as the same would have	been held and ei	njoyed by th	e undersigned witho	ut this
assignment;				•	
II. Agree, whenever assignee asks, wit	hout further compensation but at ass	signee's expense fo	or actual and	d reasonable costs inc	urred,
	nee, its successors, assigns, and legal				
Inventions or the rights described about					
above, the location of that testimony					
should my country of residence prohib	it such testimony, (C) to execute all	applications, pape	rs or instrun	nents necessary or re	quired
by said assignee, its successors, assign	ins and legal representatives, to car	rry into effect an	y of the pro	ovisions of this instru	ıment,
including petitions, specifications, oa	ths, assignments, disclaimers, and	lawful affidavits	n torm and	i substance which m	lay be
requested by sald assignee and (D)	generally to do everything possible	to aid said assig	nee, its suc	cessors, assigns, and	ntions
representatives to obtain, maintain, dwith assignee;	arend and enforce patent protection	tor such inventior	is allu/or se	cute title to such inve	1100115
III. Represent, warrant and covenant	that I have the full right and lawful a	ithority to make ti	his assignme	ent, that such assigne	d right
is not pre-dated by any grant, license,	or other right heretofore given by me	to any party othe	r than the a	ssignee hereto:	
IV. Agree that my grants and obligation	ons herein shall also bind all of my h	eirs, executors, ad	ministrators	, legal representative	s, and
assigns; and	•	•			
V. Agree that an authorized repres-	entative of assignee is hereby gran	ted the power to	insert in t	his assignment any i	further
identification which may be necessary	or desirable to comply with the rule	es of the U.S. Pate	ent and Trac	lemark Office or the	patent
office of any other country for reco		ng the power to	insert on ti	nis assignment infori	nation
regarding application number and filin	g date when known.				
In Witness Whereof, I have executed	this Worldwide Assignment on the o	date indicated by	my hand an	d agree that this Wor	ldwide
Assignment shall be effective as of the	earliest priority date for the aforesaid	application(s) for	Letters Pate	nt.	
		4			
MARIO ROSARIO CARLON	IEIR Mara K.Car	rlage h	3-	2-18	

Signature of Inventor

Name of Inventor 2

**PATENT REEL: 045451 FRAME: 0450** 

Date

# WORLDWIDE ASSIGNMENT

I, the undersigned TRAVIS J LEE, hereby do	eclare that I am an inventor of a	n invention entit	ed MAIZE HY	BRID X05M984 the	subject
matter of which is described in the applicat	tion for patent (Attorney Docket	NO: /392-U3-NP	_/		
declaration executed on		45/004044		00/40/0040	
United States Of America	Patent Application Serial No.	15/924314	, filed on _	03/19/2018	<b>_</b> '
PCT Application Serial No.	filed on				
which claim(s) its earliest priority to Appl	ication Serial No.		, filed o		<b>—:</b>
For valuable consideration, the re-			ged, and in fu	Ifillment of my pre	-existing
obligation of assignment to assignee, which	is hereby acknowledged, I here	by:			
I. Sell, assign, and transfer unto PIONEER H	II-BRED INTERNATIONAL, INC., a	corporation orga	nized and exi	sting under the lav	/S OF the
State of Iowa in the United States of Ame	erica and having its principal pla	ce of business at	1100 NW 62	Avenue, P.O. Bi	OX 1014,
Johnston, Iowa 50131-1014, herein referre	d to as the assignee, and to assign	nee's successors	and assigns, Here Datent i	("Patent") (2) any	, priority
(A) the entire right, title, and interest rights derived from such aforesaid applicat	in and to: (1) the aloresaid applicants for Potent by virtue of the	international Co	nvention for	the Protection of I	ndustrial
Property ("International Convention") and	d any other treaty or understa	nding for inteller	tual propert	v for any and all	member
countries of the International Convention	or other treaty or understanding	e including right	s in any and	all provisional appl	lications.
(3) any and all of my inventions, whether	r joint or sole disclosed in such	aforesaid applica	ation(s) for P	atent, and/or relat	ed to or
arising out of such aforesaid application(s)	for Patent ("Inventions"), (4) a	nv and all applica	ations for Pat	ent for any such in	ventions
in any country whatsoever, including all pr	rovisional, non-provisional, divisi	onal. renewal. su	bstitute, con	tinuation, continua	tions-in-
part, international and convention applica	tions based in whole or in part of	pon such afores	aid applicatio	n(s) for Patent and	or such
Inventions, (5) any and all patents for any	such inventions in any country	whatsoever, incl	uding any an	d all reexams, reiss	sues and
extensions of any patent based in whole o	r in part upon such aforesaid ap	plication(s) for Le	tters Patent a	and/or such Inventi	ions; (B)
the entire right to (1) file such application	ns in its name or in my name, (2	) file such applic	ations under	the aforesaid Inter	rnational
Convention or any other treaty or underst	tanding, (3) have said patents g	anted in its nam	e or mine, th	e Commissioner of	f Patents
and Trademarks of the United States of An	nerica and any counterpart in ar	y other patent o	ffice being he	reby authorized to	issue or
transfer all of said patents to said assigned	e in accordance herewith, and (	4) enforce said pa	atents and to	sue for and recove	er profits
and damages for any and all infringements	s thereof, whether past, present	or future, to the	full end of t	he term or terms f	or which
said patents may be granted, as fully and	entirely as the same would have	e been held and o	enjoyed by th	e undersigned with	nout this
assignment;		_			
II. Agree, whenever assignee asks, without	t further compensation but at as	signee's expense	for actual and	d reasonable costs	ncurred,
(A) to communicate to said assignee,	its successors, assigns, and lega	I representatives,	any facts kn	own to me respect	ung such
Inventions or the rights described above,	(B) to testify in any legal proce	eding respecting	such inventi	ons or the rights o	iescribeu
above, the location of that testimony to be	e in the country in which i reside	or in the hearest	ore or instead	nente necessari or	required
should my country of residence prohibit suby said assignee, its successors, assigns a	and local representatives, to sa	rou into effect a	ny of the pro	wisions of this ins	trument
including petitions, specifications, oaths,	and legal representatives, to co	lly litto effect a lawful affidavits	in form and	substance which	may be
requested by said assignee and (D) gene	erally to do everything nossible	to aid said ass	ignee, its su	cessors, assigns, a	and legal
representatives to obtain, maintain, defen	d and enforce natent protection	for such Invention	ons and/or se	cure title to such Ir	ventions
with assignee;	a and amorac parameter processes.				
III. Represent, warrant and covenant that	I have the full right and lawful a	uthority to make	this assignme	ent, that such assig	ned right
is not pre-dated by any grant, license, or o	ther right heretofore given by m	e to any party oth	er than the a	ssignee hereto;	
IV. Agree that my grants and obligations	herein shall also bind all of my h	eirs, executors, a	dministrator	s, legal representat	ives, and
assigns: and					
V. Agree that an authorized representa	itive of assignee is hereby gran	ited the power t	o insert in t	his assignment an	y further
identification which may be necessary or	desirable to comply with the ru	les of the U.S. Pa	tent and Trac	lemark Office or th	ie patent
office of any other country for recordat		ng the power to	insert on t	his assignment inf	ormation
regarding application number and filing da					
In Witness Whereof, I have executed this					orldwide/
Assignment shall be effective as of the earl	liest priority date for the aforesaid	d application(s) fo	r Letters Pate	ent.	
				~	
TRAVIS J LEE	/m sk		2.7	2018	
Name of Inventor 3	Signature of Inventor		Date		

	<u>WORLDWIDE ASSIGN</u>				
I, the undersigned <u>BRANDON MICHAEL WARDYN</u> X05M984 the subject matter of which is described in					HYBRID
declaration executed on	•				
	it Application Serial No.	15/924314	filed on	03/19/2018	
PCT Application Serial No.	filed on			03/13/2010	<b>—'</b>
which claim(s) its earliest priority to Application S			, filed o	20	
For valuable consideration, the receipt and		ereby acknowleds	<del></del>		 
obligation of assignment to assignee, which is here			,eu, anu mnu	minutent of my bie	-existing
I. Seli, assign, and transfer unto PIONEER HI-BRED I			nized and evi	sting under the law	ws of the
State of Iowa in the United States of America and					
Johnston, Iowa 50131-1014, herein referred to as ti				. Avenue, 1,0, p	DX 1014,
(A) the entire right, title, and interest in and the				"Patent") (2) anv	, nrinrity
rights derived from such aforesaid application(s) fo					
Property ("International Convention") and any of					
countries of the International Convention or other					
(3) any and all of my inventions, whether joint or					
arising out of such aforesaid application(s) for Pate					
in any country whatsoever, including all provisiona	l. non-provisional, divis	ional, renewal, sul	ostitute, cont	inuation, continua	tions-in-
part, international and convention applications bas	sed in whole or in part i	upon such aforesa	id application	n(s) for Patent and	or such
Inventions, (5) any and all patents for any such in	ventions in any country	whatsoever, inclu	iding any and	l all reexams, reiss	sues and
extensions of any patent based in whole or in part					
the entire right to (1) file such applications in its r					
Convention or any other treaty or understanding,					
and Trademarks of the United States of America ar					
transfer all of said patents to said assignee in according	rdance herewith, and (	4) enforce sald par	tents and to	sue for and recove	r profits
and damages for any and all infringements thereof	. whether past, present	or future, to the	full end of th	e term or terms fo	or which
said patents may be granted, as fully and entirely	as the same would have	been held and e	nioved by the	undersigned with	out this
assignment;			noyea by and	, andersigned with	iout uns
II. Agree, whenever assignee asks, without further	compensation but at ass	signee's expense fo	or actual and	reasonable costs i	ncurred
(A) to communicate to said assignee, its succe	ssors, assigns, and legal	representatives.	any facts kno	wn to me respect	ing such
Inventions or the rights described above, (B) to te	stify in any legal proce	eding respecting s	such Inventio	ns or the rights d	escribed
above, the location of that testimony to be in the c	ountry in which I reside	or in the nearest	country in wh	nich such testimon	v is legal
should my country of residence prohibit such testin	nony. (C) to execute all	applications, pape	rs or instrum	ents necessary or	regulred
by said assignee, its successors, assigns and legal	representatives, to ca	rry into effect an	v of the pro	visions of this inst	rument.
including petitions, specifications, oaths, assignm	ents, disclaimers, and	lawful affidavits i	n form and	substance which	may be
requested by said assignee and (D) generally to	do everything possible	to aid said assig	nee. its succ	essors, assigns, a	nd legal
representatives to obtain, maintain, defend and en	force patent protection	for such Inventior	s and/or sec	ure title to such in	ventions
with assignee;					VCI ICIOII3
III. Represent, warrant and covenant that I have th	e full right and lawful a	uthority to make ti	his assignmer	nt, that such assign	ed right
is not pre-dated by any grant, license, or other right					ca Henr
IV. Agree that my grants and obligations herein sh	all also bind all of my h	eirs, executors, ad	ministrators	legal renresentati	vec and
assigns; and		,,	,	- Bai representati	res, una
V. Agree that an authorized representative of a	ssignee is hereby grant	ted the power to	insert in th	is assignment any	further
identification which may be necessary or desirable	to comply with the rule	es of the U.S. Pate	nt and Trade	mark Office or the	natont
office of any other country for recordation of th	ils Assignment, includir	og the nower to	insert on thi	is assignment info	rmation
regarding application number and filing date when I	known.	.be perrer to	mocre on cm	a dangimitatic into	mation
In Witness Whereof, I have executed this Worldwi	de Assignment on the o				orldwide
Assignment shall be effective as of the earliest priori	ity date for the aforesaid	application(s) for	Letters Paten	t.	
•	1				
		1		- >-	
BRANDON MICHAEL WARDYN	102 41		<u> </u>	> -001X	
Name of Inventor 4	Signature of Inventor	-	Date	— <i>Q</i>	