05/12/2017 504365376

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4412068

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARTIN ARBELBIDE	02/11/2017
TRAVIS KORRY COLEMAN	02/03/2017
MARTIN A FABRIZIUS	02/03/2017
GUSTAVO MARCELO GARCIA	02/13/2017
CHRISTOPHER MICHAEL SCHAEFER	02/08/2017
MATTHEW DAVID WALCH	02/13/2017

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:	15447592

CORRESPONDENCE DATA

Fax Number: (515)535-3924

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

ATTORNEY DOCKET NUMBER:	7315-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/Imfitzpatrick/
DATE SIGNED:	05/12/2017

Total Attachments: 6

PATENT REEL: 042357 FRAME: 0453

504365376



I, the undersigned MARTIN ARBELBIDE,				MAIZE HYBRID X90	<u>K668</u> the
subject matter of which is described in the	e application for patent (Attorney	DOCKET NO: <u>/3.</u>	<u>15-US-NP</u>)		
declaration executed on					
United States Of America	Patent Application Serial No.	15/447592	, filed on	March 2, 2017	
PCT Application Serial No.	filed on			_	
which claim(s) its earliest priority to App			, filed		<u> </u>
	eceipt and adequacy of which is h	•	dged, and in f	ulfillment of my pre	existing:
obligation of assignment to assignee, which		•			
 Sell, assign, and transfer unto PIONEER State of Iowa in the United States of Am Johnston, Iowa 50131-1014, herein referr 	nerica and having its principal pla	ice of business	at 7100 NW 6	52 nd Avenue, P.O. B	
(A) the entire right, title, and interes					y priority
rights derived from such aforesaid applica					
Property ("International Convention") a					
countries of the International Convention			-		
(3) any and all of my inventions, wheth	-	• •			
arising out of such aforesaid application(s				•	
in any country whatsoever, including all p					
part, international and convention applic		=			
Inventions, (5) any and all patents for ar extensions of any patent based in whole					
the entire right to (1) file such application				•	
Convention or any other treaty or under					
and Trademarks of the United States of A					
transfer all of said patents to said assigne					
and damages for any and all infringemen	ts thereof, whether past, present	or future, to th	ne full end of t	the term or terms f	or which
said patents may be granted, as fully and	l entirely as the same would have	been held and	enjoyed by t	he undersigned wit	hout this
assignment;					
II. Agree, whenever assignee asks, withou	-	-			
(A) to communicate to said assignee					-
Inventions or the rights described above	· · · · · · · · · · · · · · · · · · ·		_	_	
above, the location of that testimony to b	•		-		
should my country of residence prohibit s by said assignee, its successors, assigns		• •	•	•	•
including petitions, specifications, oaths					
requested by said assignee and (D) ger	_				•
representatives to obtain, maintain, defe				_	_
with assignee;	, , , , , , , , , , , , , , , , , , ,				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
III. Represent, warrant and covenant tha	t I have the full right and lawful a	uthority to make	e this assignm	ent, that such assig	ned right
is not pre-dated by any grant, license, or o	other right heretofore given by me	to any party of	ther than the a	assignee hereto;	ŭ
IV. Agree that my grants and obligations	herein shall also bind all of my h	eirs, executors,	administrator	s, legal representat	ives, and
assigns; and					
V. Agree that an authorized represent		•		•	•
identification which may be necessary or					•
office of any other country for recorda	_	ng the power t	o insert on t	his assignment into	ormation
regarding application number and filing d					
In Witness Whereof, I have executed this	=		-	-	orldwide
Assignment shall be effective as of the ea	rliest priority date for the aforesai	d application(s)	tor Letters Pa	tent.	
	111/11 0			111/17	
MARTIN ARBELBIDE	Milled	<u>~</u>		11 /17	
Name of Inventor 1	Signature of Inventor		Date		

	WORLD WIDE ASSIGNMENT		
I, the undersigned TRAVIS KORRY COLEMAN, he the subject matter of which is described in the a			RID X90K668
declaration executed on	application for patent (Attorney Docke	(NO. <u>7515-US-NP</u>)	
	atent Application Serial No. 15/4475	filad on the Lagran	_
PCT Application Serial No.		92, filed on <u>March 2, 201</u> 7	<u>/</u> ,
which claim(s) its earliest priority to Application	filed on	fileden	
For valuable consideration, the receipt		, filed on	'
obligation of assignment to assignee, which is h		lowledged, and in fulliliment of my	pre-existing
I. Sell, assign, and transfer unto PIONEER HI-BR		on organized and existing under the	laws of the
State of Iowa in the United States of America			
Johnston, Iowa 50131-1014, herein referred to			7. DOX 1014,
(A) the entire right, title, and interest in a			any priority
rights derived from such aforesaid application(s			
Property ("International Convention") and any	other treaty or understanding for	intellectual property for any and	all member
countries of the International Convention or of	ther treaty or understanding, includin	g rights in any and all provisional a	applications,
(3) any and all of my inventions, whether join	t or sole, disclosed in such aforesaid	application(s) for Patent, and/or r	elated to or
arising out of such aforesaid application(s) for F			
in any country whatsoever, including all provisi			
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 sucleast and all patents for any patent based in whole or in a			
extensions of any patent based in whole or in p the entire right to (1) file such applications in I			
Convention or any other treaty or understandi			
and Trademarks of the United States of Americ			
transfer all of said patents to said assignee in a			
and damages for any and all infringements the			
said patents may be granted, as fully and entire			
assignment;			
II. Agree, whenever assignee asks, without furth			
(A) to communicate to said assignee, its su			
Inventions or the rights described above, (B) to			
above, the location of that testimony to be in th should my country of residence prohibit such te			
by said assignee, its successors, assigns and le	egal representatives to carry into ef	fect any of the provisions of this	instrument
including petitions, specifications, oaths, assig			
requested by said assignee and (D) generally			
representatives to obtain, maintain, defend and	enforce patent protection for such In	ventions and/or secure title to such	n Inventions
with assignee;			
III. Represent, warrant and covenant that I have			signed right
is not pre-dated by any grant, license, or other r			
IV. Agree that my grants and obligations herein	n shall also bind all of my heirs, execu	tors, administrators, legal represen	tatives, and
assigns; and			
V. Agree that an authorized representative of	or assignee is nereby granted the po	wer to insert in this assignment	any further
dentification which may be necessary or desira office of any other country for recordation o			
regarding application number and filing date wh		ver to insert on this assignment	miormation
In Witness Whereof, I have executed this Worl		ed by my hand and garee that this	Worldwide
Assignment shall be effective as of the earliest programment			Wollawiae
song interior strain of officerive as of the earliest pl	normy date for the aforesaid application	1(3) 101 Letters Fatent.	
	• nazano-namo-namo)	(Phop.	
TRAVIS KORRY COLEMAN	- Chr	Feb 3, 20	17
Name of Inventor 2	Signature of Inventor	Date	

		WORLDWIDE ASSIGN	MENT			
		, hereby declare that I am an inve			MAIZE HYBRID X90K668 th	£52
		ie application for patent (Attorney	DOCKELING: \$312-0	13:185)		
	declaration executed on			, PAR all 18 a. Logi Eliza come		
	United States Of America	Patent Application Serial No.	15/447592	, filled on	March 2, 2017	
	PCT Application Serial No.	filed on				
which	claim(s) its earliest priority to Ap			, filed		
		receipt and adequacy of which is h		a, ana in ti	utiliment of my pre-existic	8
		ich is hereby acknowledged, i here I HI-BRED INTERNATIONAL, INC., a		rad rad av	icting under the law of th	
		merica and having its principal pla				
		red to as the assignee, and to assig				7,
		est in and to: (1) the aforesaid ap			("Patent"). (2) any priori	ξv
	The control of the co	ation(s) for Patent by virtue of the	*			
		and any other treaty or understa				
countri	es of the International Conventio	in or other treaty or understandin	ig, including rights ii	n any and	all provisional application	8,
 any 	and all of my inventions, wheth	her joint or sole, disclosed in such	aforesaid applicati	on(s) for P	atent, and/or related to i	38
		s) for Patent ("inventions"), (4) a				
		provisional, non-provisional, divisi				
		cations based in whole or in part i				
		my such inventions in any country				
		or in part upon such aforesaid ap ons in its name or in my name, (2				
		rstanding, (3) have said patents gr				
		America and any counterpart in a				
		ee in accordance herewith, and (
		nts thereof, whether past, present				
	tents may be granted, as fully an	d entirely as the same would have				
		ut further compensation but at as	signee's expense for	actual and	d reasonable costs incurre	I,
		e, its successors, assigns, and lega				
		e, (B) to testify in any legal proce				
		be in the country in which I reside				
		such testimony, (C) to execute all				
		and legal representatives, to ca				
		s, assignments, disclaimers, and nerally to do everything possible				
		end and enforce patent protection				
with as						
	and the first transfer and the contract of the	at I have the full right and lawful a	uthority to make thi	is assignme	ent, that such assigned rigi	31
is not p	re-dated by any grant, license, or	other right heretofore given by me	e to any party other	than the a	issignee hereto;	
V. Agr	ee that my grants and obligation	s herein shall also bind all of my h	eirs, executors, adm	ninistrator:	s, legal representatives, ar	ಚ
assigns						
		tative of assignee is hereby gran				
		r desirable to comply with the rul				
		ation of this Assignment, includi	ng the power to it	1963 Cit ti	нэ авэжинган анганала	<i>i</i>
	ng application number and filing (d annua dan dala Wandama	١.
		is Worldwide Assignment on the earliest priority date for the aforesaid				100
			7 .58		/ /	
	MARTIN A FABRIZIUS		(1) MC	2/	3/17	

Signature of Inventor

Name of Inventor 3

I, the undersigned GUSTAVO MARCELO GARC	IA, hereby declare that I	am an inventor			YBRID
X90K668 the subject matter of which is describe declaration executed on	a in the application for par	ent (Attorney Do	ICKEL NO. 7513)-O3-INF/	
	tent Application Serial No.	15/447502	ु, filed on	March 2, 2017	
proving .		15/44/592	sinea on		I.
hand the state of	filed on	·	, filed	č.	
which claim(s) its earliest priority to Applicatio For valuable consideration, the receipt	***************************************	oroby acknowlo	***************************************	****************************	 Victina
obligation of assignment to assignee, which is he		-	ugeu, anu m n	anninent of my pre-e.	risting
I. Sell, assign, and transfer unto PIONEER HI-BRE		•	anized and ex	isting under the laws	of the
State of Iowa in the United States of America a					
Johnston, Iowa 50131-1014, herein referred to a				•	•
(A) the entire right, title, and interest in ar				("Patent"), (2) any p	riority
rights derived from such aforesaid application(s	for Patent by virtue of the	e International C	onvention for	the Protection of Ind	ustrial
Property ("International Convention") and any					
countries of the International Convention or ot					
(3) any and all of my inventions, whether joint					
arising out of such aforesaid application(s) for Pr				•	
in any country whatsoever, including all provision part, international and convention applications					
Inventions, (5) any and all patents for any such					
extensions of any patent based in whole or in pa					
the entire right to (1) file such applications in it	•				
Convention or any other treaty or understandir	ig, (3) have said patents gi	ranted in its nan	ne or mine, th	e Commissioner of P	atents
and Trademarks of the United States of America			_		
transfer all of said patents to said assignee in ac	-				•
and damages for any and all infringements ther					
said patents may be granted, as fully and entire	ly as the same would have	e been held and	enjoyed by th	ie undersigned witho	ut this
assignment; II. Agree, whenever assignee asks, without furth	er compensation but at as	cianae's evnence	for actual and	d reaconable costs inc	urrad
(A) to communicate to said assignee, its su	•	-			
Inventions or the rights described above, (B) to			•		
above, the location of that testimony to be in th					
should my country of residence prohibit such te	stimony, (C) to execute all	applications, par	pers or instrun	nents necessary or re	quired
by said assignee, its successors, assigns and le	-				
including petitions, specifications, oaths, assig					
requested by said assignee and (D) generally					_
representatives to obtain, maintain, defend and	enforce patent protection	for such inventi	ons and/or se	cure title to such inve	ntions
with assignee; III. Represent, warrant and covenant that I have	the full right and lawful a	utharity ta maka	thic accionny	ant that such accions	d eight
is not pre-dated by any grant, license, or other ri					a ngm
IV. Agree that my grants and obligations herein					s. and
assigns; and		,,		.,	.,
V. Agree that an authorized representative o	f assignee is hereby gran	ted the power	to insert in the	his assignment any f	urther
identification which may be necessary or desira	ble to comply with the rul	es of the U.S. Pa	atent and Trac	lemark Office or the	patent
office of any other country for recordation of		ng the power t	o insert on tl	nis assignment inforr	nation
regarding application number and filing date wh					
In Witness Whereof, I have executed this World	dwide Assignment on the	date indicated by	y my hand and	d agree that this World	ldwide
Assignment shall be effective as of the earliest pr	iority date for the aforesaid	l application(s) for	or Letters Pate	nt.	
	* 1	1			
CHETAMORA DODIO O ADOLA	- Linforday	<i>[</i>]	12/	3/2012	
GUSTAVO MARCELO GARCIA Name of Inventor 4	Signature of Inventor	<u> </u>	Deta	2/2017	
	**************************************		1 / (15)		

	WOKLDWIDE ASSIGNIVIEWI		
I, the undersigned CHRISTOPHER MICHAEL SC	•	-	ZE HYBRID
X90K668 the subject matter of which is describ	ed in the application for patent (Atto	orney Docket No: 7315-US-NP	
declaration executed on		Cladar No. 10.004	
<u></u>	Patent Application Serial No. <u>15/44</u>	7592 , filed on <u>March 2, 2017</u>	
PCT Application Serial No.	filed on	filed as	
which claim(s) its earliest priority to Applicat		, filed on cknowledged, and in fulfillment of my pi	
obligation of assignment to assignee, which is		sknowledged, and in fullillinent of my pr	e-existing
I. Sell, assign, and transfer unto PIONEER HI-BI		ation organized and existing under the la	aws of the
State of Iowa in the United States of America			
Johnston, Iowa 50131-1014, herein referred to			
(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 ((3) any and all of my inventions, whether jo	-		•
arising out of such aforesaid application(s) for			
in any country whatsoever, including all provi		• •	
part, international and convention application			
Inventions, (5) any and all patents for any su	ch Inventions in any country whatsc	ever, including any and all reexams, rei	issues and
extensions of any patent based in whole or in	•		
the entire right to (1) file such applications in			
Convention or any other treaty or understand			
and Trademarks of the United States of Ameri transfer all of said patents to said assignee in			
and damages for any and all infringements th			
said patents may be granted, as fully and enti	• • •		
assignment;		<i></i>	
II. Agree, whenever assignee asks, without fur	ther compensation but at assignee's	expense for actual and reasonable costs	incurred,
(A) to communicate to said assignee, its s		-	
Inventions or the rights described above, (B)			
above, the location of that testimony to be in			
should my country of residence prohibit such to by said assignee, its successors, assigns and			•
including petitions, specifications, oaths, ass		•	
requested by said assignee and (D) generall			
representatives to obtain, maintain, defend ar			
with assignee;			
III. Represent, warrant and covenant that I ha			gned right
is not pre-dated by any grant, license, or other	- , ,		
IV. Agree that my grants and obligations here	in shall also bind all of my heirs, exe	cutors, administrators, legal representa	itives, and
assigns; and V. Agree that an authorized representative	of assigned is hereby granted the	nower to insert in this assignment as	ny furthar
identification which may be necessary or desi			
office of any other country for recordation	• •		
regarding application number and filing date w		S	
In Witness Whereof, I have executed this Wo	rldwide Assignment on the date ind	icated by my hand and agree that this V	Worldwide
Assignment shall be effective as of the earliest	priority date for the aforesaid applica	tion(s) for Letters Patent.	
CHRISTOPHER MICHAEL			
SCHAEFER MICHAEL	Chis khaeler	2/8/17	
Name of Inventor 5	Signature of Inventor	Date	
1 mile of fill office	2181111111 21 111101		

		WORLDWIDE ASSIGN				
	dersigned MATTHEW DAVID WAL					668
ine subje	ct matter of which is described in declaration executed on	the application for patent (Atto	They bocket No.	1212-02-ML	_1	
	United States Of America	Patent Application Serial No.	15/447502	filed on	March 2, 2017 ,	
			15/44/592	, illed off	iviaicii 2, 2017 ,	
L.	PCT Application Serial No.	filed on		, filed	on	
	claim(s) its earliest priority to Appl For valuable consideration, the re		pereby acknowled			ting
	n of assignment to assignee, which			agea, and min	animinent of my pre exis	шъ
	sign, and transfer unto PIONEER F			anized and ex	isting under the laws of	the
State of	lowa in the United States of Ame	erica and having its principal pla	ace of business a	at 7100 NW 6	2 nd Avenue, P.O. Box 10	014,
Johnston	, Iowa 50131-1014, herein referre	d to as the assignee, and to assi	gnee's successors	s and assigns,	•	·
	he entire right, title, and interest				("Patent"), (2) any prio	rity
	rived from such aforesaid applicat					
Property	("International Convention") and	d any other treaty or understa	anding for intelle	ectual propert	y for any and all men	ıber
	of the International Convention					
	and all of my inventions, whethe					
	it of such aforesaid application(s)					
	untry whatsoever, including all pi					
	rnational and convention applica		-			
	is, (5) any and all patents for any					
	ns of any patent based in whole o e right to (1) file such applicatior					
	on or any other treaty or unders					
	emarks of the United States of Ar					
	all of said patents to said assigned					
	ages for any and all infringement					
	nts may be granted, as fully and					
assignme						
	, whenever assignee asks, without					
	o communicate to said assignee,					
	s or the rights described above,					
	e location of that testimony to be					
	y country of residence prohibit su					
	assignee, its successors, assigns a petitions, specifications, oaths,					
	d by said assignee and (D) gene					
	tatives to obtain, maintain, defen					
with assi		a and an area paramaprocessor				
	esent, warrant and covenant that	I have the full right and lawful a	uthority to make	this assignme	ent, that such assigned r	ight
is not pre	e-dated by any grant, license, or o	ther right heretofore given by m	e to any party ot	her than the a	ssignee hereto;	
IV. Agre	e that my grants and obligations l	herein shall also bind all of my b	neirs, executors,	administrators	s, legal representatives,	and
assigns; a						
	e that an authorized representa					
	tion which may be necessary or					
	any other country for recordat		ing the power t	o insert on ti	nis assignment informa	tion
•	g application number and filing da		1 11 . 11	, ,	1 4 4 4 5 337 11	. 1.
	ss Whereof, I have executed this					viae
Assignm	ent shall be effective as of the earl	lest priority date for the aforesai	d application(s) f	or Letters Pate	ent.	
		M_{I}		^		
N	MATTHEW DAVID WALCH	Illian 16	lel	2-13	-17	
	Name of Inventor 6	Signature of Inventor		Date		

RECORDED: 05/12/2017