05/12/2017 504365054

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4411746

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TRAVIS KORRY COLEMAN	02/03/2017
GUSTAVO MARCELO GARCIA	02/13/2017
STEVEN PAUL KING	02/14/2017
LORI KARYN SCOTT	02/06/2017
MATTHEW DAVID WALCH	02/14/2017
HARINDRA MANILAL WILLIAM	02/09/2017

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:	15447563

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

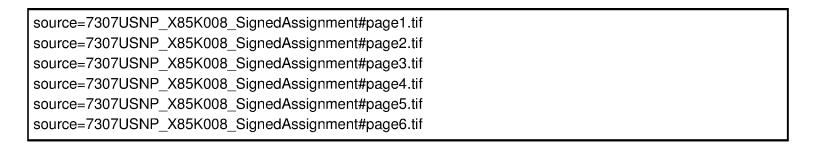
Email: ipsupport@pioneer.com LYNDA FITZPATRICK **Correspondent Name:** Address Line 1: 7250 NW 62ND AVE Address Line 4: JOHNSON, IOWA 50131

ATTORNEY DOCKET NUMBER:	7307-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/Imfitzpatrick/
DATE SIGNED:	05/12/2017

Total Attachments: 6

PATENT REEL: 042356 FRAME: 0026

504365054



	TI ONED WIDE MODICIVITE	
	N, hereby declare that I am an inventor of a	
	he application for patent (Attorney Docket N	o: <u>7307-US-NP</u>)
declaration executed on		81
United States Of America	Patent Application Serial No. <u>15/447563</u>	, filed on <u>March 2, 2017</u> ,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Applic	cation Serial No.	, filed on
obligation of assignment to assignee, which	eipt and adequacy of which is hereby acknow	dedged, and in fulfillment of my pre-existing
	-BRED INTERNATIONAL, INC., a corporation of	organized and existing under the laws of the
	ica and having its principal place of busines	
	to as the assignee, and to assignee's success	
	n and to: (1) the aforesaid application(s) for	
rights derived from such aforesaid application	on(s) for Patent by virtue of the Internationa	Convention for the Protection of Industrial
Property ("International Convention") and	any other treaty or understanding for inte	ellectual property for any and all member
countries of the International Convention o	r other treaty or understanding, including ri	ghts in any and all provisional applications,
(3) any and all of my inventions, whether	joint or sole, disclosed in such aforesaid app	plication(s) for Patent, and/or related to or
in any country whatsoever, including all pro	or Patent ("Inventions"), (4) any and all app visional, non-provisional, divisional, renewal	Dications for Patent for any such inventions
nart, international and convention application	ons based in whole or in part upon such afo	, substitute, continuation, continuations-in-
Inventions, (5) any and all patents for any	such Inventions in any country whatsoever,	including any and all reexams reissues and
	in part upon such aforesaid application(s) for	
	in its name or in my name, (2) file such app	
	nding, (3) have said patents granted in its n	
and Trademarks of the United States of Ame	erica and any counterpart in any other paten	t office being hereby authorized to issue or
	n accordance herewith, and (4) enforce said	
	thereof, whether past, present or future, to	
assignment;	ntirely as the same would have been held ar	id enjoyed by the undersigned without this
	urther compensation but at assignee's expen	se for actual and reasonable costs incurred
	s successors, assigns, and legal representative	
nventions or the rights described above, (E	3) to testify in any legal proceeding respect	ng such Inventions or the rights described
above, the location of that testimony to be i	n the country in which I reside or in the near	est country in which such testimony is legal
should my country of residence prohibit suc	h testimony, (C) to execute all applications, p	apers or instruments necessary or required
	d legal representatives, to carry into effect	
	ssignments, disclaimers, and lawful affiday	
	ally to do everything possible to aid said a and enforce patent protection for such Inver	
with assignee;	and emoree patent protection for such liver	itions and/or secure title to such inventions
	nave the full right and lawful authority to ma	ke this assignment, that such assigned right
	er right heretofore given by me to any party	
V. Agree that my grants and obligations he	rein shall also bind all of my heirs, executors	s, administrators, legal representatives, and
assigns; and		
/. Agree that an authorized representativ	ve of assignee is hereby granted the powe	r to insert in this assignment any further
	sirable to comply with the rules of the U.S. n of this Assignment, including the power	
egarding application number and filing date		to insert on this assignment information
_	orldwide Assignment on the date indicated	by my hand and agree that this Worldwide
	st priority date for the aforesaid application(-
	er process and for the diorestia applications.	y ioi Letters ratent.
	The state of the s	
TRAVIS KORRY COLEMAN	- Color	Fel 3, 2017
Name of Inventor 1	Signature of Inventor	Date

	************************************	******		
I, the undersigned <u>GUSTAVO MARCELO GARCI</u> X85K008 the subject matter of which is described	-			AIZE HYBRID
declaration executed on	.,	,	AF	
guara,	ent Application Serial No.	15/447563	, filed on March 2, 2017	7
PCT Application Serial No.				
which claim(s) its earliest priority to Application	Serial No.	::::::::::::::::::::::::::::::::::::::	filed on	
For valuable consideration, the receipt a	nd adequacy of which is h	ereby acknowledge	ed, and in fulfillment of my	v pre-existing
obligation of assignment to assignee, which is her				, ,
I. Sell, assign, and transfer unto PIONEER HI-BRED	•	=	ized and existing under th	e laws of the
State of lowa in the United States of America ar				
Johnston, Iowa 50131-1014, herein referred to as	the assignee, and to assig	gnee's successors ar	nd assigns,	
(A) the entire right, title, and interest in and				
rights derived from such aforesaid application(s)	-			
Property ("International Convention") and any				
countries of the International Convention or oth				
(3) any and all of my inventions, whether joint				
arising out of such aforesaid application(s) for Pai in any country whatsoever, including all provision				
part, international and convention applications b				
Inventions, (5) any and all patents for any such		•		
extensions of any patent based in whole or in par			-	
the entire right to (1) file such applications in its	-			
Convention or any other treaty or understanding	, (3) have said patents g	ranted in its name	or mine, the Commission	er of Patents
and Trademarks of the United States of America	and any counterpart in a	ny other patent offi	ce being hereby authorize	ed to issue or
transfer all of said patents to said assignee in acc				
and damages for any and all infringements there	· · · · · · · · · · · · · · · · · · ·			
said patents may be granted, as fully and entirely	as the same would have	e been held and en	joyed by the undersigned	without this
assignment;	× 00 mm ou 00 tien ht ot 00	sianasia auganas fa	e natural and reasonable as	المصيدين والمحمد
 Agree, whenever assignee asks, without furthe (A) to communicate to said assignee, its succession 				
Inventions or the rights described above, (B) to				
above, the location of that testimony to be in the			_	
should my country of residence prohibit such test	•			
by said assignee, its successors, assigns and leg	** * *	• •		
including petitions, specifications, oaths, assign	ments, disclaimers, and	lawful affidavits in	n form and substance w	hich may be
requested by said assignee and (D) generally t	o do everything possible	e to aid said assigr	nee, its successors, assign	ns, and legal
representatives to obtain, maintain, defend and ϵ with assignee;	nforce patent protection	for such Inventions	s and/or secure title to su	ch Inventions
III. Represent, warrant and covenant that I have:	the full right and lawful a	uthority to make th	oic accianment that cuch s	essianed right
is not pre-dated by any grant, license, or other rig				-
IV. Agree that my grants and obligations herein:				
assigns; and	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,		
V. Agree that an authorized representative of	assignee is hereby gran	ted the power to	insert in this assignment	t any further
identification which may be necessary or desirab				
office of any other country for recordation of	this Assignment, includi	ng the power to i	nsert on this assignment	information
regarding application number and filing date whe	n known.			
In Witness Whereof, I have executed this World	wide Assignment on the	date indicated by n	ny hand and agree that this	is Worldwide
Assignment shall be effective as of the earliest price	ority date for the aforesaid	l application(s) for I	Letters Patent.	
	1 N 1	* *		
GUSTAVO MARCELO GARCIA	udanahii		13/02/2017	
Name of Inventor 2	Signature of Inventor		Date	
a tracer was able water as	ALEGATION AND STREET		A- 1171	

I, the undersigned <u>STEVEN PAUL KING</u> , hereb subject matter of which is described in the app	•	n invention entitled <u>MAIZE HYBRID X85K008</u> the No: 7307-US-NP)
declaration executed on		
	Patent Application Serial No. 15/447	563 , filed on March 2, 2017
hand plants and the second sec	ion Serial No	filed on
For valuable consideration, the receip	it and adequacy of which is hereby ac	, filed on knowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is		miowicagea, and in familiating of my pre-existing
	· · · · · · · · · · · · · · · · · · ·	tion organized and existing under the laws of the
		siness at 7100 NW 62 nd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referred to		
		s) for Letters Patent ("Patent"), (2) any priority
		tional Convention for the Protection of Industrial
Property ("International Convention") and ar	ny other treaty or understanding fo	r intellectual property for any and all member
countries of the International Convention or o	other treaty or understanding, includ	ing rights in any and all provisional applications,
		id application(s) for Patent, and/or related to or
		all applications for Patent for any such Inventions
		newal, substitute, continuation, continuations-in-
• •		h aforesaid application(s) for Patent and/or such
•		ever, including any and all reexams, reissues and
		(s) for Letters Patent and/or such inventions; (B)
		th applications under the aforesaid International its name or mine, the Commissioner of Patents
,		patent office being hereby authorized to issue or
		e said patents and to sue for and recover profits
		e, to the full end of the term or terms for which
-	• •	eld and enjoyed by the undersigned without this
assignment;	,	, , ,
	ther compensation but at assignee's i	expense for actual and reasonable costs incurred,
(A) to communicate to said assignee, its s	successors, assigns, and legal represe	ntatives, any facts known to me respecting such
Inventions or the rights described above, (B)	to testify in any legal proceeding re	specting such inventions or the rights described
•	•	nearest country in which such testimony is legal
		ons, papers or instruments necessary or required
		effect any of the provisions of this instrument,
		ffidavits in form and substance which may be
	· · ·	said assignee, its successors, assigns, and legal
•	nd enforce patent protection for such	Inventions and/or secure title to such Inventions
with assignee;	up the full right and lowful outherity:	to make this assignment that such assigned right
is not pre-dated by any grant, license, or other		to make this assignment, that such assigned right
· · · · · · · · · · · · · · · · · · ·		cutors, administrators, legal representatives, and
assigns; and	in shall diso this all of my fields, the	and the state of t
•	of assignee is hereby granted the	power to insert in this assignment any further
		U.S. Patent and Trademark Office or the patent
		ower to insert on this assignment information
regarding application number and filing date w		.
	-	cated by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest	priority date for the aforesaid applicat	ion(s) for Letters Patent.
	A P.	T_{ij} , T_{ij} , T_{ij}
CONTRACT OF THE PARTY OF THE PA	4172	2/14/2017
STEVEN PAUL KING	<u> </u>	
Name of Inventor 3	Signature of Inventor	Date

	WORLDWIDE ASSIGNMENT	
• — — — — — — — — — — — — — — — — — — —	hereby declare that I am an inventor of ar ie application for patent (Attorney Docket N	n invention entitled <u>MAIZE HYBRID X85K008</u> the lo: <u>7307-US-NP</u>)
declaration executed on		
☑ United States Of America	Patent Application Serial No. 15/4479	563 , filed on _March 2, 2017 ,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Ap		, filed on .
For valuable consideration, the r	receipt and adequacy of which is hereby act	nowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, while. Sell, assign, and transfer unto PIONEER State of lowa in the United States of An Johnston, Iowa 50131-1014, herein refers (A) the entire right, title, and interestights derived from such aforesaid applications of the International Convention (3) any and all of my inventions, whether arising out of such aforesaid applications in any country whatsoever, including all part, international and convention applications, (5) any and all patents for an 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 Atransfer all of said patents to said assigned and damages for any and all infringements aid patents may be granted, as fully and assignment; II. Agree, whenever assignee asks, without (A) to communicate to said assignees inventions or the rights described above above, the location of that testimony to be should my country of residence prohibits by said assignee, its successors, assigns	ich is hereby acknowledged, I hereby: HI-BRED INTERNATIONAL, INC., a corporation of the interior and having its principal place of busined to as the assignee, and to assignee's sucst in and to: (1) the aforesaid application (sation(s) for Patent by virtue of the Internation any other treaty or understanding for nor other treaty or understanding, including in or other treaty or understanding, including for Patent ("Inventions"), (4) any and a provisional, non-provisional, divisional, remarkations based in whole or in part upon such any such Inventions in any country whatsoe or in part upon such aforesaid application (and in its name or in my name, (2) file such standing, (3) have said patents granted in America and any counterpart in any other past thereof, whether past, present or future definition and the such testify in any legal proceeding respective, (B) to testify in any legal proceeding respective testimony, (C) to execute all application and legal representatives, to carry into each of the such testimony, (C) to execute all application and legal representatives, to carry into each of the such testimony, (C) to execute all application and legal representatives, to carry into each of the such testimony, (C) to execute all applications and legal representatives, to carry into each of the such testimony, (C) to execute all applications and legal representatives, to carry into each of the such testimony, (C) to execute all applications and legal representatives, to carry into each of the such testimony.	ion organized and existing under the laws of the siness at 7100 NW 62 nd Avenue, P.O. Box 1014,
requested by said assignee and (D) ger	nerally to do everything possible to aid s	aid assignee, its successors, assigns, and legal nventions and/or secure title to such inventions
III. Represent, warrant and covenant that is not pre-dated by any grant, license, or olv. Agree that my grants and obligations assigns; and	other right heretofore given by me to any p herein shall also bind all of my heirs, exec	utors, administrators, legal representatives, and
dentification which may be necessary or	desirable to comply with the rules of the ation of this Assignment, including the po	oower to insert in this assignment any further U.S. Patent and Trademark Office or the patent ower to insert on this assignment information
		ated by my hand and agree that this Worldwide
	rliest priority date for the aforesaid applicati	
I ODI V ADVAS COOTT	San Kanyan Sus	3/1/-
LORI KARYN SCOTT	- Cx an ray war	<u>2/6/17</u> Date
Name of Inventor 4	Signature of inventor	Date

PATENT REEL: 042356 FRAME: 0031

	WORLDWIDE ASSIGN	<u>IVIEN I</u>			
I, the undersigned MATTHEW DAVID WALCH	-				<u> X85K008</u>
the subject matter of which is described in th	e application for patent (Attor	ney Docket No:	/307-US-NP	_)	
declaration executed on					
	Patent Application Serial No.	15/447563	, filed on	March 2, 2017	
PCT Application Serial No.	filed on			-	
which claim(s) its earliest priority to Applica			, filed		—: .
For valuable consideration, the recei			dged, and in f	ulfillment of my pre	-existing
obligation of assignment to assignee, which is	·	•			&
I. Sell, assign, and transfer unto PIONEER HI-E					
State of Iowa in the United States of Americ Johnston, Iowa 50131-1014, herein referred t				Z Avenue, P.O. Bo	3X 1U14,
(A) the entire right, title, and interest in				("Patent") (2) any	, priority
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) fo					
in any country whatsoever, including all prov	risional, non-provisional, divisi	onal, renewal, s	ubstitute, cor	tinuation, continua	tions-in-
part, international and convention applicatio	ns based in whole or in part ι	ipon such afore	said application	on(s) for Patent and	or such
Inventions, (5) any and all patents for any s	uch Inventions in any country	whatsoever, in	cluding any ar	nd all reexams, reiss	sues and
extensions of any patent based in whole or ir					
the entire right to (1) file such applications i					
Convention or any other treaty or understan					
and Trademarks of the United States of Ame			_	•	
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 en	tirely as the same would have	: been neid and	enjoyed by tr	ie undersigned with	iout this
assignment; II. Agree, whenever assignee asks, without fu	urther compensation but at ass	ciango's avnance	for actual an	d reasonable costs is	ncurred
(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	l legal representatives, to ca	rry into effect a	ny of the pro	ovisions of this inst	rument,
including petitions, specifications, oaths, as	signments, disclaimers, and	lawful affidavits	s in form and	substance which	may be
requested by said assignee and (D) genera			_		_
representatives to obtain, maintain, defend a	ind enforce patent protection	for such Inventi	ons and/or se	cure title to such Inv	ventions
with assignee;					
III. Represent, warrant and covenant that I h	=		_	_	ned right
is not pre-dated by any grant, license, or othe					
IV. Agree that my grants and obligations her	ein shall also bind all of my h	eirs, executors,	administrators	s, legal representati	ves, and
assigns; and V. Agree that an authorized representativ	o of assignoo is horoby gran	tad the newer	to incort in t	his assignment any	furthor
identification which may be necessary or des		*			
office of any other country for recordation					-
regarding application number and filing date	-	ig the power t	o moere on e	ns assignment into	ninacion
In Witness Whereof, I have executed this W		date indicated by	v mv hand and	d agree that this Wo	orldwide
Assignment shall be effective as of the earlies		•	•	-	311411140
out of expense as of the earlies	- F auto for mic avoicoure		200010 1 400		
	M.				
MATTHEW DAVID WALCH	1 Munder Va	all	2-1	4-17	
Name of Inventor 5	Signature of Inventor		Date		

	AAAMFDAAIDE W22IQIA			
i, the undersigned HARINDRA MANILAL WILLIA	M, hereby declare that I	am an inventor of	an invention	entitled MAIZE HYBRID
X85K008 the subject matter of which is described declaration executed on	in the application for pati	ent (Attorney Docke	t No: <u>7307-US</u>	-NP)
			war san san	
	ent Application Serial No.	15/447563	, filed on <u>M</u>	arch 2, 2017
A. A	filed on			
which claim(s) its earliest priority to Application For valuable consideration, the receipt a	Seriai No.		, filed on	
obligation of assignment to assignee, which is her	ng agequacy of which is n	ereby acknowledger	d, and in fulfillr	nent of my pre-existing
I. Sell, assign, and transfer unto PIONEER HI-BREC			and and action	
State of Iowa in the United States of America ar	nd having its principal pla	corporation organiz	muzika pue pa. 1 ^{br} ca una got	g under the laws of the
Johnston, Iowa 50131-1014, herein referred to as	the assignee, and to assign	mee's successors an	d assigns	wenue, r.o. box 1014,
(A) the entire right, title, and interest in and	to: (1) the aforesaid app	plication(s) for Lette	ers Patent ("Pa	tent"). (2) any priority
rights derived from such aforesaid application(s)	for Patent by virtue of the	a International Conv	ention for the	Protection of Industrial
Property ("international Convention") and any	other treaty or understa	nding for intellectu	al property fo	r any and all member
countries of the International Convention or other	er treaty or understandin	g, including rights in	n any and all p	rovisional applications,
(3) any and all of my inventions, whether joint	or sole, disclosed in such	aforesaid application	on(s) for Paten	t, and/or related to or
arising out of such aforesaid application(s) for Pal	tent ("Inventions"), (4) a	any and all application	ons for Patent f	for any such Inventions
in any country whatsoever, including all provision	nal, non-provisional, divisi	onal, renewal, subst	titute, continua	ition, continuations-in-
part, international and convention applications b Inventions, (5) any and all patents for any such I	ased in whole or in part i	ipon such aforesaid	application(s)	for Patent and/or such
extensions of any patent based in whole or in par	mventions in any country	wnatsoever, includi alication(e) for Lasta	ing any and all	reexams, reissues and
the entire right to (1) file such applications in its	name or in my name. (2	I file such application	one under the	or such inventions; (b) aforesaid international
Convention or any other treaty or understanding	, (3) have said patents gr	anted in its name o	r mine, the Co	mmissioner of Patents
and Trademarks of the United States of America .	and any counterpart in ar	ly other patent offic	e being hereby	authorized to issue or
transfer all of said patents to said assignee in acc	ordance herewith, and (4	4) enforce said pater	nts and to sue	for and recover profits
and damages for any and all infringements there	of, whether past, present	or future, to the fu	Il end of the te	erm or terms for which
said patents may be granted, as fully and entirely	/ as the same would have	e been held and enjo	oyed by the un	dersigned without this
assignment;		غار		
II. Agree, whenever assignee asks, without furthe	r compensation but at ass	lignee's expense for	actual and rea	sonable costs incurred,
(A) to communicate to said assignee, its succ Inventions or the rights described above, (B) to	tessuis, assigns, and legal testify in any land aroco	representatives, an	y facts known	to me respecting such
above, the location of that testimony to be in the	country in which I recide	or in the nearest so	un mivermons (antro in askick	or the rights described
should my country of residence prohibit such test	imony, (C) to execute all a	applications, papers	or instrument	such testimony is legal spenessary or required
by said assignee, its successors, assigns and leg	al representatives, to car	rry into effect any	of the provisic	ons of this instrument.
including petitions, specifications, oaths, assigni	ments, disclaimers, and	lawful affidavits in	form and sub	stance which may be
requested by said assignee and (D) generally to	o do everything possible	to aid said assigne	ee, its successi	ors, assigns, and legal
representatives to obtain, maintain, defend and e	nforce patent protection	for such inventions	and/or secure	title to such Inventions
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III. Represent, warrant and covenant that I have to	ne full right and lawful at	Ithority to make this	i assignment, ti	hat such assigned right
is not pre-dated by any grant, license, or other rigi IV. Agree that my grants and obligations herein s	hall also bind all of my b	! to any party otner t	inan the assign	ee hereto;
assigns; and	white design the control that the	ens, executors, admi	mistrators, legi	ai representatives, and
V. Agree that an authorized representative of	assignee is hereby grant	red the nawer to in	ncert in thic o	estanment any further
identification which may be necessary or desirable	le to comply with the rule	es of the U.S. Patent	t and Tradema	rk Office or the natent
office of any other country for recordation of	this Assignment, includir	ig the power to in:	sert on this as	ssignment information
regarding application number and filing date wher	n known.			
In Witness Whereof, I have executed this Worlds	vide Assignment on the d	late indicated by my	hand and agr	ee that this Worldwide
Assignment shall be effective as of the earliest pric	rity date for the aforesaid	application(s) for Lo	etters Patent.	
HARINDRA MANILAL WILLIAM	Holadil	1	2/0/-	8 10 1 A.
Name of Inventor 6	1,3,41,4	- MA	$\frac{2 - 9 }{\text{Date}}$	and the same of th
A TOMESO OF THE TOTAL ST.	Signature of Inventor		vale	

PATENT REEL: 042356 FRAME: 0033

RECORDED: 05/12/2017