## 503988717 09/01/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4035374

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
DAVID B FISCHER	03/21/2016
EDWIN MICHAEL GROTE	03/15/2016
ANDREW JON ROSS	03/20/2016
JENNIFER ANN TARTER	03/15/2016
DAVID WALTER WHITAKER	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:	15086237

### **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:	6998-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/lmfitzpatrick/
DATE SIGNED:	09/01/2016

**Total Attachments: 5** 

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PATENT REEL: 039617 FRAME: 0638

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	declaration executed on		
Ø	United States Of America	Patent Application Serial No15/086	
m	PCT Application Serial No.	filed on	
	h claim(s) its earliest priority to Ac	plication Serial No.	, filed on
	For valuable consideration, the	receipt and adequacy of which is hereby a	icknowledged, and in fulfillment of my pre-existing
obliga	ion of assignment to assignee, wh	ich is hereby acknowledged, I hereby:	
I. Sell, State : Johnst (A rights Proper count) (3) are arising in any part, i invent extens the ere and the said passign (A above should by sai includ reque repres with a III. Re is not	ion of assignment to assignee, whassign, and transfer unto PIONEEP of Iowa in the United States of Aron, Iowa 50131-1014, herein refer the entire right, title, and interestived from such aforesaid application ("International Convention") are ies of the International Convention and all of my inventions, wheth out of such aforesaid applications country whatsoever, including all international and convention applications, (5) any and all patents for a ions of any patent based in whole tire right to (1) file such application or any other treaty or under ademarks of the United States of the United States of the all of said patents to said assigneratents may be granted, as fully an ment;  ee, whenever assignee asks, without the location of that testimony to the location of that testimony to my country of residence prohibit of assignee, its successors, assigning petitions, specifications, oath sted by said assignee and (D) ge entatives to obtain, maintain, defining the present, warrant and covenant the pre-dated by any grant, license, or	ich is hereby acknowledged, I hereby: It HI-BRED INTERNATIONAL, INC., a corporation of the action of the assignee, and to assignee's suest in and to: (1) the aforesaid application cation(s) for Patent by virtue of the Internation any other treaty or understanding from or other treaty or understanding, includes joint or sole, disclosed in such aforesa (s) for Patent ("Inventions"), (4) any and provisional, non-provisional, divisional, recations based in whole or in part upon such any such inventions in any country whatso for in part upon such aforesaid application ons in its name or in my name, (2) file suit retained and any counterpart in any other see in accordance herewith, and (4) enforms thereof, whether past, present or futured entirely as the same would have been hout further compensation but at assignee's e, (8) to testify in any legal proceeding repeated the country in which I reside or in the such testimony, (C) to execute all applicates and legal representatives, to carry into us, assignments, disclaimers, and lawful and end enforce patent protection for such and and enforce patent protection for such at I have the full right and lawful authority other right heretofore given by me to any	ation organized and existing under the laws of the lusiness at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 1014, uccessors and assigns, h(s) for Letters Patent ("Patent"). (2) any priority ational Convention for the Protection of Industrial for intellectual property for any and all member ding rights in any and all provisional applications, aid application(s) for Patent, and/or related to or all applications for Patent for any such inventions enewal, substitute, continuation, continuations-inch aforesaid application(s) for Patent and/or such oever, including any and all reexams, reissues and h(s) for Letters Patent and/or such inventions; (B) uch applications under the aforesaid international in its name or mine, the Commissioner of Patents apatent office being hereby authorized to issue or roce said patents and to sue for and recover profits ure, to the full end of the term or terms for which held and enjoyed by the undersigned without this expense for actual and reasonable costs incurred, tentatives, any facts known to me respecting such expecting such inventions or the rights described be nearest country in which such testimony is legal tions, papers or instruments necessary or required to effect any of the provisions of this instrument, affidavits in form and substance which may be a said assignee, its successors, assigns, and legal h inventions and/or secure title to such inventions of the inventions and/or secure title to such inventions.
assign			is warring to impact in this presimenant year further
identi office	ication which may be necessary c	or desirable to comply with the rules of the lation of this Assignment, including the i	e power to insert in this assignment any further ne U.S. Patent and Trademark Office or the patent power to insert on this assignment information
regan.	. 11 12 TO		licated by my hand and agree that this Worldwide
100 100 100 100 100			
In Wit	ment shall be effective as of the e	arliest priority date for the aforesaid applic	cation(s) for Letters Patent.
In Wit	ment shall be effective as of the e	arliest priority date for the aforesaid applic ${\cal D}_{ab} {\cal J}_{\cal B} = {\cal L}_{ab} {\cal J}_{ab}$	cation(s) for Letters Patent.

WORLDWIDE ASSIGNIVENT
the undersigned EDWIN MICHAEL GROTE, hereby declare that I am an inventor of an invention entitled MAIZE HYBRID X08H838
the subject matter of which is described in the application for patent (Attorney Docket No: 6998-US-NP)  declaration executed on
United States Of America Patent Application Serial No. <u>15/086237</u> , filed on <u>March 31, 2016</u> ,
PCT Application Serial Nofiled on
which claim(s) its earliest priority to Application Serial No, filed on
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,
Johnston, Iowa 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 the Protection 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
transfer 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;
II. 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
Inventions 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,
including 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;
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;
IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and
assigns; and
V. Agree that an authorized representative of assignee is hereby granted the power to insert in this assignment any further Identification 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.
In 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.
2
EDWIN MICHAEL GROTE 2-13-2016
Name of Inventor 2 Signature of Inventor Date

	NOTE CONTRACTOR
there are the transfer to the first transfer to the contract of the contract o	reby declare that I am an inventor of an invention entitled MAIZE HYBRID X08H838 the application for patent (Attorney Docket No: 6998-US-NP_)
declaration executed on	
United States Of America	Patent Application Serial No. 15/086237 , filed on March 31, 2016 ,
	filed on
Execution the capital product to approximate the rec	cation Serial No, filed on, filed on eipt and adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which	
	I-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the
State of Iowa in the United States of Ame	rica and having its principal place of business at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 1014. I 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 applicati	on(s) for Patent by virtue of the International Convention for the Protection of Industrial
	any other treaty or understanding for intellectual property for any and all member
	or other treaty or understanding, including rights in any and all provisional applications,
# 1	joint or sole, disclosed in such aforesaid application(s) for Patent, and/or related to or
	for Patent ("Inventions"), (4) any and all applications for Patent for any such inventions
	ovisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in- ions based in whole or in part upon such aforesaid application(s) for Patent and/or such
	such inventions in any country whatsoever, including any and all reexams, reissues and
	in part upon such aforesaid application(s) for Letters Patent and/or such Inventions; (8)
	s in its name or in my name, (2) file such applications under the aforesaid international
	anding, (3) have said patents granted in its name or mine, the Commissioner of Patents
	erica and any counterpart in any other patent office being hereby authorized to issue or
	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 s	intirely as the same would have been held and enjoyed by the undersigned without this
assignment;	
er 1990er en transcription de la company	further compensation but at assignee's expense for actual and reasonable costs incurred,
	ts successors, assigns, and legal representatives, any facts known to me respecting such
	(8) to testify in any legal proceeding respecting such inventions or the rights described
	in the country in which I reside or in the nearest country in which such testimony is legal
and the first and the comment of the	ch testimony, (C) to execute all applications, papers or instruments necessary or required
	nd legal representatives, to carry into effect any of the provisions of this instrument, assignments, disclaimers, and lawful affidavits in form and substance which may be
500000	rally to do everything possible to aid said assignee, its successors, assigns, and legal
	I and enforce patent protection for such inventions and/or secure title to such inventions
with assignee;	
	have the full right and lawful authority to make this assignment, that such assigned right
	her right heretofore given by me to any party other than the assignee hereto;
IV. Agree that my grants and obligations h	erein shall also bind all of my heirs, executors, administrators, legal representatives, and
assigns; and	
	ive of assignee is hereby granted the power to insert in this assignment any further
	esirable to comply with the rules of the U.S. Patent and Trademark Office or the patent
	on of this Assignment, including the power to insert on this assignment information
regarding application number and filing dat	
	Worldwide Assignment on the date indicated by my hand and agree that this Worldwide
Assignment shalf be effective as of the earli-	est priority date for the aforesaid application(s) for Letters Patent.
	- 12 L 10 0 2 - 2 L 1 - 1
ANDREW JON ROSS	<u> Andrew Jon Row 3/20/20/6</u>
Name of Inventor 1	Nigrature of Proporties Proporties

	DANIDE WOOLGIA		
I, the undersigned <u>JENNIFER ANN TARTER</u> , hereby declare	that I am an inv	entor of an invention	n entitled MAIZE HYBRID X08H838 the
subject matter of which is described in the application for	patent (Attorney	Docket No: <u>6998-U</u>	IS-NP )
declaration executed on			·
	cation Serial No.	_15/086237	, filed on <u>March 31, 2016</u> ,
PCT Application Serial No.	filed on		
which claim(s) its earliest priority to Application Serial No			, filed on
For valuable consideration, the receipt and adequ	acy of which is h	ereby acknowledge	d, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereby acknowled assign and transfer unto BIONEER LILERED INTERNAL			
I. Sell, assign, and transfer unto PIONEER HI-BRED INTERN			
State of Iowa in the United States of America and having Johnston, Iowa 50131-1014, herein referred to as the assignment of the state o			
(A) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and to: (1) the entire right, title, and interest in and the entire right, title, and the entire right,	the aforesaid and	olication(s) for Lette	u dssigns, pre Patant ("Patant") (2) any priority
rights derived from such aforesaid application(s) for Pater	t by virtue of the	e International Conv	ention for the Protection of Industrial
Property ("International Convention") and any other tree	aty or understa	nding for intellectu	al property for any and all member
countries of the International Convention or other treaty	or understandin	g, including rights in	n any and all provisional applications.
(3) any and all of my inventions, whether joint or sole,	disclosed in such	aforesaid application	on(s) for Patent, and/or related to or
arising out of such aforesaid application(s) for Patent ("In	ventions"), (4) a	any and all application	ons for Patent for any such Inventions
in any country whatsoever, including all provisional, non-	provisional, divisi	onal, renewal, subs	titute, continuation, continuations-in-
part, international and convention applications based in v	/hole or in part ι	ipon such aforesaid	application(s) for Patent and/or such
Inventions, (5) any and all patents for any such Invention	s in any country	whatsoever, includ	ing any and all reexams, reissues and
extensions of any patent based in whole or in part upon s	ich aforesaid ap	plication(s) for Lette	rs Patent and/or such Inventions; (B)
the entire right to (1) file such applications in its name o Convention or any other treaty or understanding, (3) hav	n my name, (2	i) file such application	ons under the aforesaid international
and Trademarks of the United States of America and any			
transfer all of said patents to said assignee in accordance	herewith, and 14	1) enforce said nate	nts and to sue for and recover profits
and damages for any and all infringements thereof, wheth			
said patents may be granted, as fully and entirely as the s	ame would have	been held and enjo	oved by the undersigned without this
assignment;		•	, , ,
II. Agree, whenever assignee asks, without further comper	sation but at ass	signee's expense for	actual and reasonable costs incurred,
(A) to communicate to said assignee, its successors, a	ssigns, and legal	representatives, an	ny facts known to me respecting such
Inventions or the rights described above, (B) to testify in	any legal proce	eding respecting su	ch Inventions or the rights described
above, the location of that testimony to be in the country	in which I reside	or in the nearest co	untry 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 represincluding petitions, specifications, oaths, assignments, d	entatives, to cal	rry into effect any	of the provisions of this instrument,
requested by said assignee and (D) generally to do ever			
representatives to obtain, maintain, defend and enforce pa	itent protection	for such inventions	and/or secure title to such inventions
with assignee;	ront protection	TOT SUCH THE CHILDING	and, or secure title to such inventions
III. Represent, warrant and covenant that I have the full ri	ght and lawful au	thority to make this	s assignment, that such assigned right
is not pre-dated by any grant, license, or other right hereto	fore given by me	to any party other t	than the assignee hereto;
IV. Agree that my grants and obligations herein shall also	bind all of my h	eirs, executors, adm	inistrators, legal representatives, and
assigns; and			
V. Agree that an authorized representative of assignee	is hereby grant	ted the power to in	nsert in this assignment any further
identification which may be necessary or desirable to com	ply with the rule	es of the U.S. Patent	t and Trademark Office or the patent
office of any other country for recordation of this Assigned regarding application number and filing date when known.	znment, includir	ig the power to in:	sert on this assignment information
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In Witness Whereof, I have executed this Worldwide Ass			
Assignment shall be effective as of the earliest priority date	for the aforesaid	application(s) for Le	etters Patent.
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IENINIEED AND TARTER	1 XI -		4-1 1 11
JENNIFER ANN TARTER	mfil'n	1 lase	1311ach/to
Name of Inventor 4 Signa	ture of Inventor		Date

		WORLDWIDE ASSIGN	IMENT			
i, the	undersigned <u>DAVID WALTER WHIT</u>	AKER, hereby declare that I am an	inventor of an i	nvention entit	led MAIZE HYBRIO X	@8H838
the su	bject matter of which is described i	n the application for patent (Atto	mey Docket No.	6998-US-NP	_}	
	declaration executed on					
$\boxtimes$	United States Of America	Patent Application Serial No.	15/086237	, filed on	March 31 2016	,
	PCT Application Serial No.	filed on		**********		
whic	th claim(s) its earliest priority to Ap	plication Serial No.	***************************************	filed	on	
	th claim(s) its earliest priority to Ap For valuable consideration, the r	eceipt and adequacy of which is f	nereby acknowle	dged, and in fi	lifiliment of my pre-	
obliga	tion of assignment to assignee, whi	ch is hereby acknowledged, I here	ibv:	and a min and an entire	minimizer to the being	popular i i di
	assign, and transfer unto PiONEER			tanized and ex	isting under the law	s of the
State	of Iowa in the United States of An	nerica and having its principal piz	ice of business :	at 7100 NW 6	2 <sup>nd</sup> Avenue, P.O. Bo	3x 1014
iohast	on, Iowa 50131-1014, herein referr	ed to as the assignee, and to assign	gnee's successor	s and assigns,		
(A	i) the entire right, title, and intere	st in and to: (1) the aforesaid ap	plication(s) for L	etters Patent	("Patent"), (2) any	priorin
rights	derived from such aforesaid applic	ation(s) for Patent by virtue of the	e international C	onvention for	the Protection of in	dustria
grope	rty ("international Convention") a	nd any other treaty or understa	nding for intelli	ectual propert	y for any and all r	nembei
នធិបាលព	ries of the International Convention	n or other treaty or understanding	ig, including righ	its in any and	ali provisional appli	cations
(3) -ar	ny and all of my inventions, wheth	er joint or sale, disclosed in such	i aforesaid appli	cation(s) for P	atent, and/or relate	ed to or
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Conve	ntion or any other treaty or under	standing. (3) have said parents a	anted in its nan	seachs uncer sear mine th	une anunesanu innen a Cammiccionar mi	Patente
and Tr	ademarks of the United States of A	merica and any counterpart in ar	iv other patent (	office being he	reby authorized to	issue or
transfe	er all of said patents to said assigne	e in accordance herewith, and (	1) enforce said p	atents and to	sue for and recover	r profits
and da	images for any and all infringemen	ts thereof, whether past, present	or future, to th	e full and of th	he term or terms fo	r which
said pa	atents may be granted, as fully and	l entirely as the same would have	been held and	enjoyed by th	e undersigned with	out this
ອຣຣໂຊດເ	nent;					
II. Agr	ee, whenever assignee asks, withou	it further compensation but at ass	signee's expense	for actual and	l reasonable costs in	icurred,
(A	) to communicate to said assignee	, its successors, assigns, and legal	representatives	, any facts kn	own to me respecti	ng such
inventi	ions or the rights described above	, (B) to testify in any legal proce	eding respecting	such Invention	ons or the rights de	scribed
300ve,	the location of that testimony to b	ie in the country in which I reside	or in the neares	t country in wi	hich such testimony	is legal
รถงนเฉ หนางหน	my country of residence prohibit s	uch testimony, (C) to execute all	applications, pap	ers or instrum	ients necessary or n	equired
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	Signee)	in an an analysis from the processors	ion amount interesting	200 80 80 60 50 50 5	ore one or such my	en en en en
II. Rej	present, warrant and covenant that	I have the full right and lawful at	ithority to make	this assignme	nt, that such assigne	ed right
s not p	ore-dated by any grant, license, or c	ther right heretofore given by me	to any party oth	ner than the as	signee hereto:	
V. Agi	ree that my grants and obligations	herein shall also bind all of my ho	eirs, executors, a	idministrators,	legal representativ	es, and
assigns	s; and					
v. Ag	ree that an authorized represents	itive of assignee is hereby grant	ted the power t	o insert in th	is assignment any	further
dentifi	cation which may be necessary or	desirable to comply with the rule	es of the U.S. Pa	tent and Trade	emark Office or the	patent
office .	of any other country for recordal	tion of this Assignment, includin	ig the power to	insert on th	is assignment infor	mation
	ing application number and filing da					
n Win	ness Whereof, I have executed this	Worldwide Assignment on the d	ate indicated by	my hand and	agree that this Wor	rldwide
Assign	ment shall be effective as of the ear	liest priority date for the aforesaid	application(s) fo	r Letters Pater	t.	
		prints.				
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	DAVID WALTER WHITAKER	Mark Confirming S. A. A. San	Committee and the second		10	A 12

Signature of Inventor

PATENT REEL: 039617 FRAME: 0644

Date

**RECORDED: 09/01/2016** 

Name of Inventor 5