# **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4047886

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
MARIO ROSARIO CARLONE JR	03/14/2016
JOSEPH KEVIN GOGERTY	03/14/2016
MICHAEL PHILLIP JINES	03/15/2016
WADE EUGENE ODLAND	03/18/2016
ERIC SCOTT RIEDEMAN	03/17/2016

## **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:	15086324

## **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:	7023-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/lmfitzpatrick/
DATE SIGNED:	09/12/2016

**Total Attachments: 5** 

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PATENT REEL: 039704 FRAME: 0362

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<ol> <li>the undersigned <u>MABIO ROSARIO CARLI</u> XOSH223 the subject matter of which is desc</li> </ol>		an inventor of an invention entitled <u>MAIZE H</u> Attorney Docket No. 7023-US-NP	YBRID
declaration executed on			
☐ United States Of America	Patent Application Serial No. 15/0	086324 , filed on March 31, 2016	· .
	filed on		A CONTRACTOR
which claim(s) its earliest priority to Applic	ation Serial No.	filed on	18
For valuable consideration, the rece	eipt and adequacy of which is hereby	acknowledged, and in fulfillment of my pre-ex	.' dstine
obligation of assignment to assignee, which i			
		oration organized and existing under the laws o	of the
State of Iowa in the United States of Amer Johnston, Iowa 50131-1014, herein referred	The National Control of the Control	business at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box successors and assigns,	1014,
(A) the entire right, title, and interest i	n and to: (1) the aforesaid applicati	on(s) for Letters Patent ("Patent"), (2) any pr	riority
rights derived from such aforesaid application	on(s) for Patent by virtue of the Inte	rnational Convention for the Protection of Indu	ustrial
		for intellectual property for any and all me luding rights in any and all provisional applica	
(3) any and all of my inventions, whether j	joint or sole, disclosed in such afore	esaid application(s) for Patent, and/or related	to or
arising out of such aforesaid application(s) for	or Patent ("Inventions"), (4) any ar	nd all applications for Patent for any such Inver	ations
		renewal, substitute, continuation, continuatio	
		such aforesaid application(s) for Patent and/or	
		Isoever, including any and all reexams, reissue	
		ion(s) for Letters Patent and/or such invention	
		such applications under the aforesaid Interna I in its name or mine, the Commissioner of Pa	
		er patent office being hereby authorized to iss	
		orce said patents and to sue for and recover p	
		iture, to the full end of the term or terms for	
		n held and enjoyed by the undersigned withou	
assignment;			
II. Agree, whenever assignee asks, without f	urther compensation but at assigner	e's expense for actual and reasonable costs incu	urred,
		esentatives, any facts known to me respecting	
and a contract contract to the contract of the	na kalandaran da karangan da karangan da karangan da karangan karangan karangan da karangan da karangan da kar	respecting such inventions or the rights desc	
		the nearest country in which such testimony is	
		cations, papers or instruments necessary or red	
		to effect any of the provisions of this instru- il affidavits in form and substance which mi	
-00 0000 0000 (Tabul) -0001 -0100 -0000 -0000 -0000	1774	id said assignee, its successors, assigns, and	
		uch Inventions and/or secure title to such Inver	
with assignee;			
	have the full right and lawful author	ity to make this assignment, that such assigned	i right
is not pre-dated by any grant, license, or oth	er right heretofore given by me to a	ny party other than the assignee hereto;	
IV. Agree that my grants and obligations he	erein shall also bind all of my heirs, o	executors, administrators, legal representatives	s, and
assigns; and			
		he power to insert in this assignment any fu	
		the U.S. Patent and Trademark Office or the p	and a second contract
office of any other country for recordation regarding application number and filing date		e power to insert on this assignment inform	auon
		ndicated by my hand and agree that this Worli	dwide
Assignment shall be effective as of the earlie	est priority date for the aforesaid app	slication(s) for Letters Patent.	
		7/1	
MARIO ROSARIO CARLONE, JR	- 1 Naril (a	JUL 1 3-14-16	
Name of Inventor 1	Signature of Inventor	Date	

AAONED AASIGIAIA ETA	
I, the undersigned <u>JOSEPH KEVIN GOGERTY</u> , hereby declare that I am an inventor of an invention entitled <u>MAIZE HYBRID X05H223</u>	
the subject matter of which is described in the application for patent (Attorney Docket No: 7023-US-NP )  declaration executed on	
<u> </u>	
PCT Application Serial Nofiled on, filed on, filed on, filed on	
which claim(s) its earliest priority to Application Serial No, filed on, 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:	
1. 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 aforesald 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 helrs, 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.	
<b>b</b>	
JOSEPH KEVIN GOGERTY Soven KS can act 3-14-16	
Name of Inventor 2 Signature of Inventor Date	
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<u>w</u>	OKEDWIDE W22IGINIVIEWI	
, the undersigned MICHAEL PHILLIP JINES, hereby de		
subject matter of which is described in the application	i for patent (Attorney Docket No: <u>7023-0</u>	2-14P
declaration executed on		
	Application Serial No. 15/086324	
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Application Seri	ial No.	, filed on
For valuable consideration, the receipt and a	dequacy of which is hereby acknowledged	l, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereby	*	
<ol> <li>Sell, assign, and transfer unto PIONEER HI-BRED INT State of lowa in the United States of America and h Johnston, Jowa 50131-1014, herein referred to as the</li> </ol>	aving its principal place of business at 71 assignee, and to assignee's successors and	LOO NW 62 <sup>nd</sup> Avenue, P.O. Box 1014, d assigns,
(A) the entire right, title, and interest in and to: rights derived from such aforesaid application(s) for Peroperty ("International Convention") and any other countries of the International Convention or other treation and all of my inventions, whether joint or so arising out of such aforesaid application(s) for Patent in any country whatsoever, including all provisional, report, international and convention applications based inventions, (5) any and all patents for any such invertextensions of any patent based in whole or in part up the entire right to (1) file such applications in its nanoconvention or any other treaty or understanding, (3) and Trademarks of the United States of America and transfer all of said patents to said assignee in accordant damages for any and all infringements thereof, vesield patents may be granted, as fully and entirely as assignment;	Patent by virtue of the International Converted to understanding for intellectual reaty or understanding, including rights in ole, disclosed in such aforesaid application ("Inventions"), (4) any and all application non-provisional, divisional, renewal, substain whole or in part upon such aforesaid nitions in any country whatsoever, including such aforesaid application(s) for Letterne or in my name, (2) file such application) have said patents granted in its name of any counterpart in any other patent office ance herewith, and (4) enforce said pater whether past, present or future, to the full patents of the patent of the pat	ention for the Protection of Industrial all property for any and all member any and all provisional applications, on(s) for Patent, and/or related to or ons for Patent for any such inventions itute, continuation, continuations-inapplication(s) for Patent and/or such ng any and all reexams, reissues and its Patent and/or such inventions; (8) ons under the aforesaid international or mine, the Commissioner of Patents is being hereby authorized to issue or its and to sue for and recover profits it end of the term or terms for which
I. Agree, whenever assignee asks, without further con- (A) to communicate to said assignee, its successor inventions or the rights described above, (B) to testivations or the rights described above, (B) to testivations, the location of that testimony to be in the country of residence prohibit such testimony said assignee, its successors, assigns and legal residence petitions, specifications, oaths, assignment requested by said assignee and (D) generally to desert the country of testing and the country of testing assignee and (D) generally to desert the country of testing and the country of testing assignee;	ors, assigns, and legal representatives, an ify in any legal proceeding respecting such that is which I reside or in the nearest country in which I reside or in the nearest country in which I reside or in the nearest country in the effect any compresentatives, to carry into effect any country into effect any country in the effect and its, disclaimers, and lawful affidavits in everything possible to aid said assigned	y facts known to me respecting such the inventions or the rights described untry in which such testimony is legal or instruments necessary or required of the provisions of this instrument, form and substance which may be se, its successors, assigns, and legal
II. Represent, warrant and covenant that I have the f s not pre-dated by any grant, license, or other right he V. Agree that my grants and obligations herein shall assigns; and	eretofore given by me to any party other t	han the assignee hereto;
/. Agree that an authorized representative of assi dentification which may be necessary or desirable to office of any other country for recordation of this egarding application number and filing date when known	comply with the rules of the U.S. Patent Assignment, including the power to ins	and Trademark Office or the patent
n 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 Lo	etters Patent.
	Mall en -	w.
MICHAEL PHILLIP JINES	1-01/1/1	3-12-2016
Name of Inventor 3	Signature of Inventof	Date

	AAOREDAAIDE W22IQIA	HAIEIA I			
I, the undersigned <u>WADE FUGENE ODLAND</u> , her	eby declare that I am an	inventor of an in	vention entitle	ed MAIZE HYBRID XO	5H223
the subject matter of which is described in the ap declaration executed on	bircation for bateut (Attor	пеу поскет но:	7023-05-NP	}	
10000	ant Annlication Englat No.	45 (000004	With a second second		
general :	ent Application Serial No.	15/086324	, filed on	March 31, 2016	
PCT Application Serial No. which claim(s) its earliest priority to Application	filed on	***************************************	Sta. i		
For valuable consideration, the receipt a	nd adequate of which is h	weeks and march of	, filed c	8D 16:00	
obligation of assignment to assignee, which is her	no avequacy or which is it which acknowledged 1 here	iereby acknowied	geo, and in ru	mament or my pre-e	xisting
. Sell, assign, and transfer unto PIONEER HI-BREE			inized and evi	cting under the laws	of the
State of Iowa in the United States of America ar	nd having its principal pla	ace of business a	t 7100 NW 67	i <sup>nd</sup> Avenue P.O. Box	1014
lohnston, lowa 50131-1014, herein referred to as	the assignee, and to assig	gnee's successors	and assigns,		77.77
(A) the entire right, title, and interest in and	to: (1) the aforesaid app	plication(s) for Le	etters Patent (	"Patent"), (2) any p	riority
ights derived from such aforesaid application(s)	for Patent by virtue of the	a International Co	nvention for	the Protection of Ind	ustrial
Property ("International Convention") and any	other treaty or understa	nding for inteller	ctual property	$\prime$ for any and all m	ember
countries of the International Convention or other	er treaty or understandin	g, including right	s in any and a	ill provisional applica	ations,
<ol> <li>any and all of my inventions, whether joint mising out of such aforesaid application(s) for Pat</li> </ol>	or sore, disclosed in such	atoresaid applic	ation(s) for Pa	itent, and/or related	i to or
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part, international and convention applications b	ased in whole or in part (	upon such afores:	aid application	n(s) for Patent and/o	ir such
nventions, (5) any and all patents for any such I	inventions in any country	whatsoever, incl	uding any and	i all reexams, reissue	es and
extensions of any patent based in whole or in par	t upon such aforesaid ap	plication(s) for Le	tters Patent a	nd/or such inventior	ıs; (8)
he entire right to (1) file such applications in its	name or in my name, (2	) file such applica	ations under t	he aforesaid Interna	ational
Convention or any other treaty or understanding	, (3) have said patents gr	anted in its name	e or mine, the	Commissioner of P	atents
ind Trademarks of the United States of America . ransfer all of said patents to said assignee in acc	and any counterpart in an	ly other patent of	mce being her	eby authorized to is	sue or
and damages for any and all infringements there	of whether past, present	or future to the	full end of th	e term or terms for	orbich
aid patents may be granted, as fully and entirely	as the same would have	been held and e	nioved by the	undersigned withou	ut this
issignment;					
L. Agree, whenever assignee asks, without furthe	r compensation but at ass	lignee's expense f	for actual and	reasonable costs inc	urred,
(A) to communicate to said assignee, its succ	tessors, assigns, and legal	representatives,	any facts kno	wn to me respecting	g such
nventions or the rights described above, (8) to	testify in any legal proce	eding respecting	such Inventio	ns or the rights des	cribed
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equested by said assignee and (D) generally to	do everything possible	to aid said assig	gnee, its succ	essors, assigns, and	legal
epresentatives to obtain, maintain, defend and e	nforce patent protection	for such Invention	ns and/or secu	are title to such inve	ntions
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1. Represent, warrant and covenant that I have t	he full right and lawful at	ithority to make t	his assignmer	it, that such assigned	I right
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ssigns; and	nen sizo muz en ta my n	ms, executors, at	ammsustots,	regal representative	s, and
. Agree that an authorized representative of	assignee is hereby grant	ed the power to	insert in thi	s assignment any fi	urther
dentification which may be necessary or desirabl	e to comply with the rule	es of the U.S. Pat	ent and Trade	mark Office or the p	atent
ffice of any other country for recordation of t	this Assignment, includin	g the power to	insert on thi	s assignment inform	iation
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) Witness Whereof, I have executed this Worldw					dwide
ssignment shall be effective as of the earliest prior	rity date for the aforesaid	application(s) for	Letters Paten		
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WADE EUGENE ODLAND		AGESC.	- 3//	8/2/6	
Name of Inventor 4	Signature of Inventor		Date		

I, the undersigned <u>ERIC SCOTT RIEDEMAN</u> , her				MAIZE HYBRID X05H223	the
subject matter of which is described in the application executed on	ilcation for patent (Attorney	Docket No: <u>702</u>	(3-US-NP )		
	-tout Augliostics Contains		CT I		
	atent Application Serial No.	15/086324	, filed on	March 31, 2016 ,	
PCT Application Serial No.	filed on				
which claim(s) its earliest priority to Applicati			, filed o		
For valuable consideration, the receipt			dged, and in tu	ilfillment of my pre-exis	ting
obligation of assignment to assignee, which is h	,	•	انده اممه اممهامه		
I. Sell, assign, and transfer unto PIONEER HI-BR State of lowa in the United States of America					
Johnston, Iowa 50131-1014, herein referred to				2 Avenue, F.O. Box 10	J14,
(A) the entire right, title, and interest in a				("Patent"). (2) any pric	ority
rights derived from such aforesaid application(					
Property ("International Convention") and an					
countries of the International Convention or o					
(3) any and all of my inventions, whether join					
arising out of such aforesaid application(s) for ${\sf I}$					
in any country whatsoever, including all provis					
part, international and convention applications					
Inventions, (5) any and all patents for any suc					
extensions of any patent based in whole or in p					
the entire right to (1) file such applications in Convention or any other treaty or understand					
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 entir					
assignment;	•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
II. Agree, whenever assignee asks, without furt	her compensation but at ass	ignee's expense	for actual and	l reasonable costs incur	red,
(A) to communicate to said assignee, its s					
Inventions or the rights described above, (B)					
above, the location of that testimony to be in t					
should my country of residence prohibit such t					
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including petitions, specifications, oaths, assi					
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with assignee;	a conorce patent protection	TOT SUCH INVENT	oris aria/or sec	ure title to such invent	10115
III. Represent, warrant and covenant that I have	ve the full right and lawful au	uthority to make	this assignme	ent, that such assigned r	ight
is not pre-dated by any grant, license, or other					.6
IV. Agree that my grants and obligations herei					and
assigns; and					
V. Agree that an authorized representative					
identification which may be necessary or desir					
office of any other country for recordation		ig the power to	o insert on th	is assignment informa	tion
regarding application number and filing date w					
In Witness Whereof, I have executed this Wor					vide
Assignment shall be effective as of the earliest p	priority date for the aforesaid	application(s) for	or Letters Pater	nt.	
EDIC COOTT DIEDELAND	En Retu		<b>)</b> ,	7.1/	
ERIC SCOTT RIEDEMAN	_ in run	· · · · · · · · · · · · · · · · · · ·	3-17 Date	7 - 16	
Name of Inventor 5	Signature of Inventor		Date		

PATENT REEL: 039704 FRAME: 0368

**RECORDED: 09/12/2016**