504024226 09/27/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4070885

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS CHARLES BARKER	03/12/2016
BRANDON MICHAEL WARDYN	03/18/2016

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:	15086608

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.

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

ATTORNEY DOCKET NUMBER:	7077-US-NP
NAME OF SUBMITTER:	LYNDA M. FITZPATRICK
SIGNATURE:	/lmfitzpatrick/
DATE SIGNED:	09/27/2016

Total Attachments: 2

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PATENT 504024226 REEL: 039867 FRAME: 0748

WORLDWIDE ASSIGNMENT

	**OILD HIDL POSIGITITE	
	•	an invention entitled MAIZE INBRED PHZDNR
the subject matter of which is described in th	ne application for patent (Attorney Docket r	NO: /U/7-US-NP)
declaration executed on		
United States Of America	Patent Application Serial No. 15/086608	, filed on <u>March 31, 2016</u> ,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Applic		, filed on
		wledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which		
		organized and existing under the laws of the
		ss at 7100 NW 62 nd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referred		
		or Letters Patent ("Patent"), (2) any priority
		al Convention for the Protection of Industrial
	The state of the s	tellectual property for any and all member
		rights in any and all provisional applications,
		opplication(s) for Patent, and/or related to or
		oplications for Patent for any such Inventions
		al, substitute, continuation, continuations-in-
		oresaid application(s) for Patent and/or such , including any and all reexams, reissues and
		or Letters Patent and/or such Inventions; (B)
		oplications under the aforesaid International
	• • • • • • • • • • • • • • • • • • • •	name or mine, the Commissioner of Patents
		ent office being hereby authorized to issue or
		id patents and to sue for and recover profits
		the full end of the term or terms for which
		and enjoyed by the undersigned without this
assignment;	,	
-	urther compensation but at assignee's expe	inse for actual and reasonable costs incurred,
	· · · · · · · · · · · · · · · · · · ·	tives, any facts known to me respecting such
Inventions or the rights described above, (E	3) to testify in any legal proceeding respec	ting 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 nea	arest country in which such testimony is legal
should my country of residence prohibit suc	h testimony, (C) to execute all applications,	papers or instruments necessary or required
		ct any of the provisions of this instrument,
		wits in form and substance which may be
	· · · · · · · · · · · · · · · · · · ·	assignee, its successors, assigns, and legal
representatives to obtain, maintain, defend	and enforce patent protection for such Inve	entions and/or secure title to such Inventions
with assignee;		
•		ake this assignment, that such assigned right
is not pre-dated by any grant, license, or oth	- · · · · · · · · · · · · · · · · · · ·	
	rein shall also bind all of my heirs, executo	rs, administrators, legal representatives, and
assigns; and		
-	* **	ver to insert in this assignment any further
	- "	. Patent and Trademark Office or the patent
	•	er to insert on this assignment information
regarding application number and filing date		
	-	d by my hand and agree that this Worldwide
Assignment shall be effective as of the earlie	st priority date for the aforesaid application	ols) for Letters Patent.
THOMAS CHARLES BARKER	Nome C. Basher	3/12/16 Date
Name of Inventor 1	Signature of Inventor	Date

PATENT REEL: 039867 FRAME: 0749

WORLDWIDE ASSIGNMENT

WORLD WIDE ROSIGIUM	
the undersigned <u>BRANDON MICHAEL WARDYN</u> , hereby declare that I am an inventor of an invention entitled <u>MAIZE INBRE</u> PH2DNR the subject matter of which is described in the application for patent (Attorney Docket No: <u>7077-US-NP</u>)	D
declaration executed on	
United States Of America Patent Application Serial No. 15/086608 , filed on March 31, 2016 ,	
PCT Application Serial Nofiled on, filed on	
For valuable consideration, the receipt and adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing	Б
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 th	
state of lowa in the United States of America and having its principal place of business at 7100 NW 62 nd Avenue, P.O. Box 101	ле Л
Johnston, lowa 50131-1014, herein referred to as the assignee, and to assignee's successors and assigns,	٧,
(A) the entire right, title, and interest in and to: (1) the aforesaid application(s) for Letters Patent ("Patent"), (2) any priority	tv
rights derived from such aforesaid application(s) for Patent by virtue of the International Convention for the Protection of Industri	al
Property ("International Convention") and any other treaty or understanding for intellectual property for any and all members	er
countries of the International Convention or other treaty or understanding, including rights in any and all provisional application	5,
(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 Invention	าร
in any country whatsoever, including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in	n-
part, international and convention applications based in whole or in part upon such aforesald application(s) for Patent and/or suc	ch
Inventions, (5) any and all patents for any such inventions in any country whatsoever, including any and all reexams, reissues an	ıd
extensions of any patent based in whole or in part upon such aforesald application(s) for Letters Patent and/or such inventions; (I	B)
the entire right to (1) file such applications in its name or in my name, (2) file such applications under the aforesaid internation	al
Convention or any other treaty or understanding, (3) have said patents granted in its name or mine, the Commissioner of Paten	ts
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 sald patents to sald assignee in accordance herewith, and (4) enforce sald patents and to sue for and recover profit	is ch
and damages for any and all infringements thereof, whether past, present or future, to the full end of the term or terms for which	JII
said patents may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned without th	,,,,
assignment; II. Agree, whenever assignee asks, without further compensation but at assignee's expense for actual and reasonable costs incurre	d
(A) to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting suc	ch
Inventions or the rights described above, (B) to testify in any legal proceeding respecting such inventions or the rights described	ed
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 leg	al
should my country of residence prohibit such testimony, (C) to execute all applications, papers or instruments necessary or require	ed
by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrumen	nt,
including petitions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may be	be
requested by said assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and leg	gal
representatives to obtain, maintain, defend and enforce patent protection for such inventions and/or secure title to such invention	ns
with assignee:	
III. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned rig	nt
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, are	10
assigns; and	
V. Agree that an authorized representative of assignee is hereby granted the power to insert in this assignment any furth	er
identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office or the pate	,III
office of any other country for recordation of this Assignment, including the power to insert on this assignment information	<i>3</i> 11
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 Worldwin	ПÇ
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.	
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Name of Inventor 2

PATENT REEL: 039867 FRAME: 0750

RECORDED: 09/27/2016