505580138 07/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT5626937 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES W BING	06/14/2019
MARCELO QUEIJO	06/11/2019
JOHN ZWONITZER	06/10/2019

RECEIVING PARTY DATA

Name:	AGRIGENETICS, INC.		
Street Address:	9330 ZIONSVILLE ROAD		
City:	INDIANAPOLIS		
State/Country:	INDIANA		
Postal Code:	46268		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16451133

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: 515-535-5859

Email: IPSUPPORT@PIONEER.COM

Correspondent Name: PIONEER HI-BRED INTERNATIONAL. INC.

Address Line 1: 7250 NW 62ND AVENUE

Address Line 2: PO BOX 552

Address Line 4: JOHNSTON, IOWA 50131-0552

ATTORNEY DOCKET NUMBER: 82858-US-NP **NAME OF SUBMITTER:** LYNDA M. FITZPATRICK SIGNATURE: /LYNDA M. FITZPATRICK/ **DATE SIGNED:** 07/19/2019

Total Attachments: 3

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PATENT REEL: 049800 FRAME: 0662 505580138

WORLDWIDE ASSIGNMENT
I, the undersigned JAMES W BING, hereby declare that I am an inventor of an invention entitled MAIZE INBRED 6HHXI2022 the subject
matter of which is described in the application for patent (Attorney Docket No: 82858-US-NP)
declaration executed on $\frac{3ume 14,2019}{}$
US Patent Application Serial No filed on
PCT Application Serial No filed 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 AGRIGENETICS, INC., a corporation organized and existing under the laws of the State of Delaware in
the United States of America and having its principal place of business at 9330 Zionsville Road, Indianapolis, Indiana 46268, 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.
\mathcal{A}
JAMES W BING June 14 2015
JAMES W BING June 14 2019

Name of Inventor

PATENT REEL: 049800 FRAME: 0663

Date

WORLDWIDE ASSIGNMENT

WORLDWIDE ASSIGNMENT
I, the undersigned MARCELO MQUEIJO, hereby declare that I am an inventor of an invention entitled MAIZE INBRED 6HHXI2022 the
subject matter of which is described in the application for patent (Attorney Docket No: 82858-US-NP)
declaration executed on _ June 11, 219
US Patent Application Serial No filed on
PCT Application Serial No filed on,
PCT Application Serial No filed 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:
1. Sell, assign, and transfer unto AGRIGENETICS, INC., a corporation organized and existing under the laws of the State of Delaware in
the United States of America and having its principal place of business at 9330 Zionsville Road, Indianapolis, Indiana 46268, 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. (2), 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 regions and
extensions of any patent based in whole or in part upon such aforesaid application(s) for Letters Patent and/or such inventions. (n)
the entire right to (1) file such applications in its name or in my name. (2) file such applications under the aforesaid International
convention of any other treaty of understanding, (3) have said patents granted in its name or mine, the Commissioner of Patents and
trademarks of the officed states of America and any counterpart in any other patent office being hereby authorized to issue or transfer
and is said paterns to said assignee in accordance nerewith, and (4) enforce said patents and to sue for and recover profits and damages.
for any and an intringements thereof, whether past, present or future, to the full end of the term or terms for which said nate to see
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 of 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 local charded
my country of residence promibit 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
peritions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may be requested by said
assigned and (D) generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain
maintain, defend and emorce patent protection for such inventions and/or secure title to such inventions with assignors
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-united by any grant, license, or other right heretofore given by me to any party other than the assigned bareto.
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 of desirable to comply with the rules of the U.S. Patent and Trademark Office or the nature
of this assignment information of this Assignment, including the power to insert on this assignment information regarding
sphication number and ming 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.

MARCELO M∕QUEIJO Name of Inventor

> PATENT REEL: 049800 FRAME: 0664

WORLDWIDE ASSIGNMENT

			ention entitled MAIZE INBRED 6HHXI2022 the			
subject matter of which is described declaration executed on		itent (Attorney Docket No 	:82858-U5-NP)			
		, filed on				
US Patent Application Seri PCT Application Serial No.		filed on	δ			
which claim(s) its earliest priority to	Application Serial No.	, filed or	F			
			owledged, and in fulfillment of my pre-existing			
obligation of assignment to assigne						
			ting under the laws of the State of Delaware in			
			ville Road, Indianapolis, Indiana 46268, herein			
referred to as the assignee, and to			A CONTRACTOR OF THE PROPERTY O			
			etters Patent ("Patent"), (2) any priority rights			
			vention for the Protection of Industrial Property			
			operty for any and all member countries of the			
			all provisional applications, (3) any and all of			
			stent, and/or related to or arising out of such			
			Patent for any such inventions in any country			
			estitute, continuation, continuations-in-part,			
			oresaid application(s) for Patent and/or such			
Inventions, (S) 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)						
and the second of the second o	and the second s	5.7				
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						
		The state of the s	ice being hereby authorized to issue or transfer			
The state of the s			and to sue for and recover profits and damages			
			f the term or terms for which said patents may			
			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						
			such Inventions or the rights described above,			
the state of the s			ountry in which such testimony is legal should			
		The state of the s	s or instruments necessary or required by said			
		The state of the s	of the provisions of this instrument, including			
			and substance which may be requested by said			
assignee and (D) generally to do ev	erything possible to aid s	aid assignee, its successor	s, 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;						
1V. 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 aforesald application(s) for Letters Patent.						
Assignment shall be encoure as an encourage priority date hat the archesard application to the there's rate in.						
JOHN ZWONITZER	12 2 -	La	6/10/2019			
Many diseller in the co	<u> </u>	ascus				
Name of Inventor	218usknis or investor	*	Date			

PATENT REEL: 049800 FRAME: 0665

RECORDED: 07/19/2019