506393194 12/09/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CANDIDA BRAGA CABRAL	03/04/2020
NICHOLAS JAMES HAASE	03/09/2020
JORDON MICHAEL PACE	03/04/2020
CHRISTOPHER MICHAEL SCHAEFER	03/10/2020

RECEIVING PARTY DATA

Name:	PIONEER HI-BRED INTERNATIONAL, INC.
Street Address:	7100 NW 62ND AVENUE
Internal Address:	PO BOX 1014
City:	JOHNSTON
State/Country:	IOWA
Postal Code:	50131-1014

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17077258

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@CORTEVA.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:	8399-US-NP
NAME OF SUBMITTER:	LYNDA FITZPATRICK
SIGNATURE:	/lmfitzpatrick/
DATE SIGNED:	12/09/2020

Total Attachments: 4

PATENT REEL: 054591 FRAME: 0222

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WORLDWIDE ASSIGNMENT

United States Of America Peacest Application Serial No. [filed on PCT Application Serial No.] For valuable consideration, the recent and adequacy of which is hereby acknowledged, and in fulfillment of my pre-existing colligation of assignment to assignme, which is hereby acknowledged, I hereby: Lisell, assign, and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the State of flows in the United States of America and having its grincipal piace of business at 7100 NW 62th Avenue, P.O. Box 1014, Johnston, Issae Sti31-1014, Increm referred to as the assignment and to existing strategies accessors and assigns. (A) the entire right, Ittle, and interest in and to: (1) the allorestid application(s) for Letters Patent ("Patent"), (2) any priority rights derived from such aforestid application(s) for Patent by virtue of the International Convention or other treaty or understanding, for intellectual grapestry for any and all member countries of the International Convention or other treaty or understanding, for intellectual grapestry for any and all member countries of the International Convention or Patent for Patent from Strategies (and the International Strategies of Patent for Patent from Strategies (and the International Strategies of Patent from Strategies (and Strategies in Patent Patent Patent ("Investional"), and all applications for Patent for any such Inventions in any country whatsoever, including any and all reasons, releases and excessions of any patent based in whole or in part upon such aforestial applications for Patent for any such Inventions (a) and patents for any such Inventions (a) any country whatsoever, including any and all reasons, releases and excessions of any patent based in whole or in part upon such aforestial applications in Strategies and Excessions (a) and admissions of the Internatio	I, the undersigned <u>CANDIDA BRAGA CABRAL</u> , the subject matter of which is described in the declaration executed on 3/4	application for patent (Attorney Dock	of an invention entitled MAIZE HYE tet Not 8389-US-NP)	3RID X95P897
PCT Appetation Serial No. For valuable consideration, the recept and adequacy of which is hereby acknowledged, and in fulfilliment of my pre-existing obligation of assignment to assignee, which is hereby acknowledged, incredy: 1, Sell, assign, and transfer unto PONEER H-HERED INTERNATIONAL, INC., a corporation organized and existing under the laws of the State of flows in the United States of America and having its principal place of business at 7100 NW 62 rd Avenue, P.O. Box 1014, Johnston, toward S013-1014, Herebur referred to as the assignment and to assignee's successors and assigns. (A) the entire right, title, and interest in and too (1) the aforesaid application(s) for letters Patent ("Patent"), (2) any priority rights derived from such aforesaid application for Patent by vitue of the International Convention") and any 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 applications for Patent for any and all armidence out the sole of the patent for the International Convention or other treaty or understanding, including rights in any and all provisional applications, (3) any and all administrational conventions, whether joint or sole, disclosed in such aforesaid applications for Patent for any auch inventions in any country whatsever, including all provisional, and in any country whatsever, including all provisional, and in any country whatsever, including all provisional, more provisional, divisional, renewal, usbatitute, continuational conventions applications tassed in whole or in part upon such aforesaid application(s) for Patent and/or such inventions in any country whatsever, including any and all enters of the control provisions of any patent based in whole or in part upon such aforesaid application(s) for Patent and/or such inventions in any patent based in whole or in part upon such aforesaid application(s) for Patent and/or such inventions in the control provision and t	United States Of America P	asent Application Serial No.	, filed on	,
which claim(s) its earliest priority to Application Serial No. For valuable consideration, the receipt and adequacy of which is hereby acknowledged, and in diffillment of my pre-existing obligation of assignment to assignmen, which is hereby acknowledged, in hereby. I. Self, assign: and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a corporation organizes and existing under the laws of the State of flows in the United States of America and having its principal piace of business at 7100 NW 62** Avenue, P.O. Box 1014, Johnston, Iowa 50131-1014, herein referred to as the assignmen, and to assignmed sourcessors and assign. [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 and to: (1) the aforesaid applicational Convention for the Protection of industrial Property ("International Convention") and any other treaty or understanding, including rights in any and all provisional politications (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 applications for Patent for any such inventions in any country whatsoever, including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuation, continuations, continuation, continuations, continuations, (3) any and all patents for any such inventions in any country whatsoever, including any and all reresants exists and assignment and convention applications based in whole or in part upons such aforesaid applications (1) for Patent and/or such leventions (8) any and all patents for any such inventions in any country whatsoever, including any and all areas and inventions or any other treaty or understanding, (3) have said patents for any date that and/or such leventions or in my name, (2) file such applications, or the information and convention applications based in whole or in part upons				entrant and de part pariet.
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	WORLDWIDE ASSIGNMENT	
i, the undersigned NICHOLAS JAMES HAASE, he	ereby declare that I am an inventor of	an invention entitled MAIZE HYBRID X95P897
the subject matter of which is described in the a	pplication for patent (Attorney Docke	: No: <u>8399-US-NP</u>)
\boxtimes declaration executed on $3/9/$	2020	.*
United States Of America Pa	tent Application Serial No.	
PCT Application Serial No.	flied on	
which claim(s) its earliest priority to Applicatio		, filed on
For valuable consideration, the receipt	and adequacy of which is hereby ackn	owledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is he	ereby acknowledged, I hereby:	
I. Sell, assign, and transfer unto PIONEER HI-BRE	D INTERNATIONAL, INC., a corporation	n organized and existing under the laws of the
State of Iowa in the United States of America	and having its principal place of busing	ness at 7100 NW 62 rd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referred to a		
(A) the entire right, title, and interest in ar	nd to: (1) the aforesaid application(s)	for Letters Patent ("Patent"), (2) any priority
rights derived from such aforesald application(s) for Patent by virtue of the Internation	inal Convention for the Protection of Industrial
Property ("International Convention") and any	other treaty or understanding for	ntellectual property for any and all member
countries of the International Convention or ot		
(3) any and all of my inventions, whether join		
arising out of such aforesald application(s) for P	atent ("Inventions"), (4) any and all	applications for Patent for any such inventions
in any country whatsoever, including all provision	onal, non-provisional, divisional, rene	wal, substitute, continuation, continuations-in-
part, international and convention applications	based in whole or in part upon such	aforesald application(s) for Patent and/or such
Inventions, (5) any and all patents for any such	n Inventions in any country whatsoev	er, including any and all reexams, reissues and
extensions of any patent based in whole or in p		
the entire right to (1) file such applications in I	ts name or in my name, (2) file such	applications under the aforesaid International
Convention or any other treaty or understandle	ng, (3) have said patents granted in it	s name or mine, the Commissioner of Patents
and Trademarks of the United States of America		
transfer all of sald patents to sald assignee in a	ccordance herewith, and (4) enforce	said patents and to sue for and recover profits
and damages for any and all infringements ther	reof, whether past, present or future,	to the full end of the term or terms for which
said patents may be granted, as fully and entire	ely as the same would have been held	I and enjoyed by the undersigned without this
assignment;		
II. Agree, whenever assignee asks, without furth		
		atives, any facts known to me respecting such
inventions or the rights described above, (B) to	o testify in any legal proceeding resp	ecting such inventions or the rights described
above, the location of that testimony to be in th		
should my country of residence prohibit such te		
by said assignee, its successors, assigns and le	egal representatives, to carry into ef	fect any of the provisions of this instrument,
including petitions, specifications, oaths, assign	inments, disclaimers, and lawful affi	daylts in form and substance which may be
requested by said assignee and (D) generally		
representatives to obtain, maintain, defend and	l enforce patent protection for such Ir	ventions and/or secure title to such inventions
with assignee;		
III. Represent, warrant and covenant that I have	e the full right and lawful authority to	make this assignment, that such assigned right
Is not pre-dated by any grant, license, or other r		
IV. Agree that my grants and obligations herein	n shall also bind all of my heirs, execu	tors, administrators, legal representatives, and
assigns; and		
V. Agree that an authorized representative of		
Identification which may be necessary or desira		
office of any other country for recordation of		wer to insert on this assignment information
regarding application number and filing date wh	ien known.	
In Witness Whereof, I have executed this World	dwide Assignment on the date indica	ted by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest p	riority date for the aforesaid applicatio	n(s) for Letters Patent.
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NICHOLAS JAMES HAASE	Signature of Inventor	<u> 3/9/2020</u>
Name of Inventor 2	Signature of Inventor	Date

WORLDWIDE ASSIGNMENT

I, the undersigned <u>JORDON MICHAEL PACE</u> , her the subject matter of which is described in the ap			<u>5P897</u>
☑ declaration executed on 3-4-		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
United States Of America Pate	ant Application Social No.	filed on	
	and ubblication action (10)	, med on	⊒*
	filed on	filed or	
which claim(s) its earliest priority to Application For valuable consideration, the receipt a	and adaptace of tubleb to bosoby a	cknowledged and in fulfillmant of munre, a	u.' sdetine
obligation of assignment to assignee, which is her		ewingsigned and in taniminetic of 11th biese	mading
I. Sell, assign, and transfer unto PIONEER HI-BREI		ation organized and existing under the laws	of the
State of Iowa In the United States of America a			
Johnston, Iowa 50131-1014, herein referred to as			ĺ
(A) the entire right, title, and interest in and	d to: (1) the aforesald application	(s) for Letters Patent ("Patent"), (2) any p	irlority
rights derived from such aforesaid application(s)	for Patent by virtue of the Interna	ational Convention for the Protection of Ind	ustrial
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 aforesald application(s) for Pa			
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 pa the entire right to (1) file such applications in its			
Convention or any other treaty or understanding	The state of the s	• •	
and Trademarks of the United States of America			
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 entirel			
assignment;			
II. Agree, whenever assignee asks, without further	er compensation but at assignee's	expense for actual and reasonable costs inc	urred,
(A) to communicate to said assignee, its suc			
Inventions or the rights described above, (8) to			
above, the location of that testimony to be in the			
should my country of residence prohibit such tes			
by sald assignee, its successors, assigns and leg			
including petitions, specifications, oaths, assign			
requested by said assignee and (D) generally t			
representatives to obtain, maintain, defend and out to a selegate.	amores pareir brocection for son	I livelitions and or secure and to some inve	Mercia
with assignee; III. Represent, warrant and covenant that I have	the full right and lawful authority	to make this assignment that such assigne	d right
is not pre-dated by any grant, license, or other rig			u 118111
IV. Agree that my grants and obligations herein			es, and
assigns; and			
V. Agree that an authorized representative of	assignee is hereby granted the	power to insert in this assignment any i	urther
identification which may be necessary or desiral	ile to comply with the rules of th	e 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 infor	nation
regarding application number and filing date whe	n known.		
In Witness Whereof, I have executed this World	wide Assignment on the date ind	icated by my hand and agree that this Wor	ldwide
Assignment shall be effective as of the earliest pri	ority date for the aforesaid applies	ition(s) for Letters Patent.	
	1 1 13/	y magazi	
JORDON MICHAEL PACE	MOUNT PLUE	3-4-2020	
Name of Inventor 3	-Signature of Inventor	Date	

WORLDWIDE ASSIGNMENT

		inventor of an invention entitled MAIZE HYBRID
	is described in the application for patent (Atto	rney Docket Na: <u>8399-US-NP</u>)
	march 10, 2000	
United States Of America	Patent Application Serial No.	, filed on,
PCT Application Serial No.	filed on	
which claim(s) Its earliest priority to	o Application Serial No.	, filed on . knowledged, and in fulfillment of my pre-existing
		knowledged, and in fulfillment of my pre-existing
	which is hereby acknowledged, I hereby:	
		tion organized and existing under the laws of the
	and the second s	siness at 7100 NW 62 nd Avenue, P.O. Box 1014,
	eferred to as the assignee, and to assignee's su	
		s) for Letters Patent ("Patent"), (2) any priority
		tional Convention for the Protection of Industrial
•	· · · · · · · · · · · · · · · · · · ·	r intellectual property for any and all member ing rights in any and all provisional applications,
		d application(s) for Patent, and/or related to or
		applications for Patent for any such inventions
		newal, substitute, continuation, continuations-in-
		h aforesald application(s) for Patent and/or such
		ever, including any and all reexams, reissues and
The state of the s	- · · · · · · · · · · · · · · · · · · ·	(s) for Letters Patent and/or such Inventions; (B)
		h applications under the aforesaid international
Convention or any other treaty or up	nderstanding, (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
		e said patents and to sue for and recover profits
		e, to the full end of the term or terms for which
	and entirely as the same would have been he	eld and enjoyed by the undersigned without this
assignment;	and the second of the second o	
		expense for actual and reasonable costs incurred,
		ntatives, any facts known to me respecting such
		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,
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;	and the second of the second o	The state of the s
	that I have the full right and lawful authority t	o make this assignment, that such assigned right
	, or other right heretofore given by me to any p	
		cutors, administrators, legal representatives, and
assigns; and		
		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 fill		
In Witness Whereof, I have executed	I this Worldwide Assignment on the date indi-	sated 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.		
CHESCENDIVING A WAY COV		
CHRISTOPHER MICHAEL	111	man/ 10 2020
SCHARFER	<u> </u>	Date 10 2020
Name of Inventor 4	Signature of Inventor	Date

PATENT REEL: 054591 FRAME: 0227

RECORDED: 12/09/2020