# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6583279

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
RUSSELL FOX	03/20/2020
ELLIOT LEE HEFFNER	03/19/2020
GARY EDWARD HENKE	03/07/2020
SARA JANE LIRA	03/23/2020
GORAN SRNIC	03/20/2020
TARA LUANA BARRETT TARNOWSKI	06/20/2020

## **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:	17077305

## **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:	8407-US-NP
NAME OF SUBMITTER:	LYNDA FITZPATRICK
SIGNATURE:	/Imfitzpatrick/
DATE SIGNED:	03/04/2021

## **Total Attachments: 6**

source=8407-US-NP\_X08N790\_ExecutedAssignments#page1.tif source=8407-US-NP\_X08N790\_ExecutedAssignments#page2.tif source=8407-US-NP\_X08N790\_ExecutedAssignments#page3.tif source=8407-US-NP\_X08N790\_ExecutedAssignments#page4.tif source=8407-US-NP\_X08N790\_ExecutedAssignments#page5.tif source=8407-US-NP\_X08N790\_ExecutedAssignments#page6.tif

		on entitled MAIZE HYBRID X08N790 the subject	
matter of which is described in the applicati		<u>-US-NP)</u>	
	20/2020		
United States Of America	Patent Application Serial No.	, filed on,	
PCT Application Serial No.	filed on		
which claim(s) its earliest priority to Applic	cation Serial No.	, filed on	
		nowledged, 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 corporati	on organized and existing under the laws of the	
		iness at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 1014,	
Johnston, Iowa 50131-1014, herein referred			
		) for Letters Patent ("Patent"), (2) any priority	
		ional Convention for the Protection of Industrial intellectual property for any and all member	
		ng rights in any and all provisional applications,	
		i application(s) for Patent, and/or related to or	
		l applications for Patent for any such Inventions	
		ewal, substitute, continuation, continuations-in-	
• • •	•	aforesaid application(s) for Patent and/or such	
		ver, including any and all reexams, reissues and	
		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	
		Its name or mine, the Commissioner of Patents	
	• • • • • • • • • • • • • • • • • • • •	atent office being hereby authorized to issue or	
		said patents and to sue for and recover profits	
		e, 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;			
		xpense 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			
		ns, papers or instruments necessary or required	
		effect any of the provisions of this instrument,	
		fidavits in form and substance which may be	
		ald assignee, its successors, assigns, and legal	
		nventions and/or secure title to such inventions	
with assignee;			
<b>*</b> ·	have the full right and lawful authority to	o make this assignment, that such assigned right	
is not pre-dated by any grant, license, or oth			
		utors, 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			
		ower to insert on this assignment information	
regarding application number and filing date			
In Witness Whereof, I have executed this V	Orldwide Assignment on the date indicate	ated 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.			
priceri cov	0. 117	2/24/	
Name of Inventor 1	Signature of Investor	3/26/2020	
Name of Inventor 1	Signature of Inventor	Date	

	WORLDWIDE ASSIGN		
I, the undersigned <u>ELLIOT LEE HEFFNER</u> , he			
subject matter of which is described in the a declaration executed on	pplication for patent (Attorney 【くっこう	Docket No: 8407	7-US-NP)
X United States Of America		17/077305	, filed on 22 OCTOBER 2020 ,
		17,077505	
which claim(s) its earliest priority to Applic	ration Serial No.	***********	filed on
which claim(s) its earliest priority to Applic For valuable consideration, the reco	eipt and adequacy of which is h	ereby acknowled	iged, and in fulfillment of my pre-existin
obligation of assignment to assignee, which	is hereby acknowledged, I here	by:	good area in terminating on my big consens
I. Sell, assign, and transfer unto PIONEER HI			inized and existing under the laws of the
State of Iowa in the United States of Amer			
Johnston, Iowa 50131-1014, herein referred	to as the assignee, and to assig	nee's successors	and assigns,
(A) the entire right, title, and interest i	n and to: (1) the aforesaid app	ilication(s) for Le	tters Patent ("Patent"), (2) any priorit
rights derived from such aforesaid application			
Property ("International Convention") and			
countries of the International Convention o	· · · · · · · · · · · · · · · · · · ·		
(3) any and all of my inventions, whether			
arising out of such aforesaid application(s) for			
in any country whatsoever, including all propart, international and convention application			
Inventions, (5) any and all patents for any			
extensions of any patent based in whole or			
the entire right to (1) file such applications		3 3	the state of the s
Convention or any other treaty or understa			
and Trademarks of the United States of Ame			
transfer all of said patents to said assignee i	in accordance herewith, and (4	i) enforce said pa	atents and to sue for and recover profit
and damages for any and all infringements			
said patents may be granted, as fully and en	ntirely as the same would have	been held and e	enjoyed by the undersigned without thi
assignment;			
II. Agree, whenever assignee asks, without f			
(A) to communicate to said assignee, it			
Inventions or the rights described above, (I			
above, the location of that testimony to be is should my country of residence prohibit suc			
by said assignee, its successors, assigns an			
including petitions, specifications, oaths, a			
requested by said assignee and (D) generation	- ·		•
representatives to obtain, maintain, defend			
with assignee;	<b>V</b>		
III. Represent, warrant and covenant that I	have the full right and lawful au	thority to make	this assignment, that such assigned righ
is not pre-dated by any grant, license, or oth	er right heretofore given by me	to any party oth	er than the assignee hereto;
IV. Agree that my grants and obligations he	rein shall also bind all of my he	eirs, executors, a	dministrators, legal representatives, and
assigns; and			
V. Agree that an authorized representation			
identification which may be necessary or de			
office of any other country for recordatio		g the power to	insert on this assignment information
regarding application number and filing date			
In Witness Whereof, I have executed this W			
Assignment shall be effective as of the earlie	st priority date for the aforesaid	application(s) for	r Letters Patent.
	91/4 1\ 1 <b>1</b> //	attention.	7 10
ELLIOT LEE HEFFNER	aw x my	<del></del>	3-19-20
Name of Inventor 2	Signature of Inventor		Date

	WORLDWIDE ASSIGNMENT	
I, the undersigned GARY EDWARD HENKE, hereby d		
subject matter of which is described in the application declaration executed on 3/7/303	•	<u>-NP)</u>
		filed on
<del></del>		filed on,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Application Se		, filed on
- · · · · · · · · · · · · · · · · · · ·	adequacy of which is hereby acknowledged,	, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is hereb	• • •	
I. Sell, assign, and transfer unto PIONEER HI-BRED II		
State of Iowa in the United States of America and		
Johnston, Iowa 50131-1014, herein referred to as th	<del>-</del>	
(A) the entire right, title, and interest in and to		
rights derived from such aforesaid application(s) for	<del>_</del>	
Property ("International Convention") and any oticountries of the International Convention or other		
(3) any and all of my inventions, whether joint or		
arising out of such aforesaid application(s) for Pater		
in any country whatsoever, including all provisional		•
part, international and convention applications base		
Inventions, (5) any and all patents for any such inv		
extensions of any patent based in whole or in part		
the entire right to (1) file such applications in its na		
Convention or any other treaty or understanding, (		
and Trademarks of the United States of America and		
transfer all of said patents to said assignee in accor-	, , , , ,	- ·
and damages for any and all infringements thereof,		
said patents may be granted, as fully and entirely a		
assignment;		
II. Agree, whenever assignee asks, without further of	ompensation but at assignee's expense for a	ictual and reasonable costs incurred,
(A) to communicate to said assignee, its success		
inventions or the rights described above, (B) to tes		
above, the location of that testimony to be in the co	•	-
should my country of residence prohibit such testim		
by said assignee, its successors, assigns and legal		•
including petitions, specifications, oaths, assignment		
requested by said assignee and (D) generally to		
representatives to obtain, maintain, defend and enf	orce patent protection for such inventions a	nd/or secure title to such inventions
with assignee;		
III. Represent, warrant and covenant that I have the		
is not pre-dated by any grant, license, or other right		_
IV. Agree that my grants and obligations herein sha	iii also bind all of my neirs, executors, admir	histrators, legal representatives, and
assigns; and	stance to become accepted the common to te	
V. Agree that an authorized representative of as identification which may be necessary or desirable		
office of any other country for recordation of the		
regarding application number and filing date when k		er on this assignment information
		hand and some that this Westerida
In Witness Whereof, I have executed this Worldwic		
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.		
GARY EDWARD HENKE	Gay Edward Henke	3/7/2020
Name of Inventor 3	Signature of Inventor	Date

		WORLDWIDE ASSIGNMENT	
		nereby declare that I am an inventor of an inv	
	matter of which is described in t	the application for patent (Attorney Docket No:	8407-US-NP )
$\boxtimes$	declaration executed on	3/23/2020	
	United States Of America	Patent Application Serial No.	, filed on,
	PCT Application Serial No.	filed on	
which	claim(s) its earliest priority to A		, filed on
		receipt and adequacy of which is hereby acknow	wledged, and in fulfillment of my pre-existing
obligati	on of assignment to assignee, w	hich is hereby acknowledged, I hereby:	
		R HI-BRED INTERNATIONAL, INC., a corporation	
		America and having its principal place of busine	
	= -	erred to as the assignee, and to assignee's succes	
		rest in and to: (1) the aforesaid application(s) for	
-	• •	ication(s) for Patent by virtue of the Internation	
		and any other treaty or understanding for in	
		ion or other treaty or understanding, including	- ' '
		ther joint or sole, disclosed in such aforesaid a	
_		n(s) for Patent ("Inventions"), (4) any and all ap	
-		Il provisional, non-provisional, divisional, renewa	
		lications based in whole or in part upon such af	
		any such inventions in any country whatsoever,	= · ·
		e or in part upon such aforesaid application(s) for	
		tions in its name or in my name, (2) file such a	
	· · · · · · · · · · · · · · · · · · ·	erstanding, (3) have said patents granted in its f America and any counterpart in any other pate	
		nee in accordance herewith, and (4) enforce sa	
		ents thereof, whether past, present or future, to	•
		nd entirely as the same would have been held a	
assignn		tia citaliciy as the same from the following	ma digorea my tite attacioigned mandat aria
_	-	out further compensation but at assignee's expe	nse for actual and reasonable costs incurred.
		ee, its successors, assigns, and legal representat	
		ve, (B) to testify in any legal proceeding respec	
		be in the country in which I reside or in the nea	
		t such testimony, (C) to execute all applications,	
		ns and legal representatives, to carry into effe	
		hs, assignments, disclaimers, and lawful affida	
request	ted by said assignee and (D) g	enerally to do everything possible to aid said	assignee, its successors, assigns, and legal
represe	ntatives to obtain, maintain, de	fend and enforce patent protection for such Inve	entions and/or secure title to such inventions
with as	signee;		
ill. Rep	resent, warrant and covenant th	nat I have the full right and lawful authority to m	ake this assignment, that such assigned right
is not p	re-dated by anγ grant, license, o	r other right heretofore given by me to any party	other than the assignee hereto;
IV. Agr	ee that my grants and obligation	ns herein shall also bind all of my heirs, executo	rs, administrators, legal representatives, and
assigns			
		ntative of assignee is hereby granted the pow	
		or desirable to comply with the rules of the U.S	
		dation of this Assignment, including the powe	r to insert on this assignment information
	ng application number and filing		
		his Worldwide Assignment on the date indicated	
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.			
		0 . 1	
	0.45.4.745.75.4	Van Lan	3/17/2
-	SARA JANE LIRA	XW-16 4 Dille	3/23/20
	Name of Inventor 4	/ Signature of Inventor	Date

	AACUEDANIDE WOODENEIN	
	· · · · · · · · · · · · · · · · · · ·	on entitled MAIZE HYBRIO XUBN790 the subject
matter of which is described in the application		DP-Wh.
	HARCH 1040	
United States Of America	Patent Application Serial No.	, filed on
PCT Application Serial No.	tiled on	
which claim(s) its earliest priority to Applic		, filed on
	•	owledged, and in fulfillment of my pre-existing
obligation of ossignment to assignee, which	•	
		on organized and existing under the laws of the
State of rowa in the united states of Amer Johnston, Iowa 50131-1014, herein referred	·	ness at 7100 NW 62 <sup>n2</sup> Avenue, P.O. Box 1014,
		for Letters Patent ("Patent"), (2) any priority
rights derived from such aforesaid application Property ("International Conventions") and countries of the International Convention of (3) any and all of my inventions, whether arising out of such aforesaid application(s) fin any country whatsoever, including all propart, international and convention applicationers, (5) any and all patents for any extensions of any patent based in whole or the entire right to (1) file such applications. Convention or any other treaty or understained Trademarks of the United States of Am transfer all of said patents to said assignce and damages for any and all infringements.	on(s) for Patent by virtue of the Internationary other treaty or understanding for some other treaty or understanding, including joint or sole, disclosed in such aforesaid or Patent (*Inventions"), [4] any and all ovisional, non-provisional, divisional, nene ons based in whole or in part upon such such inventions in any country whatsoever in part upon such aforesaid application(s) in its name or in my name, [2] file such anding, (3) have said patents granted in it ence and any counterpart in any other pain accordance herewith, and (4) enforce thereof, whether past, present or future,	onal Convention for the Protection of Industrial intellectual property for any and all member g rights in any and all provisional applications, applications; for Patent, and/or related to or applications for Patent for any such Inventions wal, substitute, continuation, continuations-in-aforesaid application(s) for Patent and/or such er, including any and ail reexams, reissues and for Letters Patent and/or such Inventions; (B) applications under the aforesaid International is name or mine, the Commissioner of Patents item, office being hereby authorized to issue or said patents and to sue for and recover profits to the full end of the term or terms for which I and enjoyed by the undersigned without this
	ntirely as the same would have been held	and enjoyed by the undersigned without this
		pense for actual and reasonable costs incurred, affect, any facts known to me respecting such
Inventions or the rights described above, () above, the location of that testimony to be should my country of residence prohibit such that describe assignee, its successors, assign an including petitions, specifications, naths, a requested by said assignee and (D) gener	8) to testify in any legal proceeding respons the country in which I reside or in the not testimony, (C) to execute all applications of legal representatives, to carry into effectionments, disclaiment, and lawful affilially to do everything possible to aid sa	ecting such inventions or the rights described learest country in which such testimony is legal is, papers or instruments necessary or required fect any of the provisions of this instrument, davits in form and substance which may be id assignee, its successors, assigns, and legal eventions and/or secure title to such inventions
III. Represent, warrant and covenant that it is not pre-dated by any grant, license, or oth IV. Agree that my grants and obligations no assigns; and	er right heretofore given by me to any pa erein shall also bind all of my heirs, execu	tors, administrators, legal representatives, and
identification which may be necessary or de	estrable to comply with the rules of the U on of this Assignment, including the por	ower to insert in this assignment any further I.S. Patent and Trademark Office or the patent wer to insert on this assignment information
In Witness Whereof, I have executed this V	Vorldwide Assignment on the date indica	ted by my hand and agree that this Worldwide
Assignment shall be affective as of the earlie		
GORAN SRNIC	Garso Enii	no Hosen doso
Name of Inventor 5	Simulation of Parameters	

	cation for patent (Attorney Doc on Serial No.	ket No: <u>8407-US-NP</u> )
□ United States Of America Patent Applicat	on Serial Nofiled on	, filed on,
United States Of America Patent Applicat	filed on	
	filed on	
I I DCT Application Carial No.		, filed on
PCT Application Serial No.		
which claim(s) its earliest priority to Application Serial No.	or milicu is lievenh acknowleds	
obligation of assignment to assignee, which is hereby acknow	ledged I hereby:	ged, and in idiniment of my pre-existing
I. Sell, assign, and transfer unto PIONEER HI-BRED INTERNAT		nized and existing under the laws of the
State of Iowa in the United States of America and having it		
Johnston, Iowa 50131-1014, herein referred to as the assigne		
(A) the entire right, title, and interest in and to: (1) the		
rights derived from such aforesaid application(s) for Patent be Property ("International Convention") and any other treat countries of the International Convention or other treaty or (3) any and all of my inventions, whether joint or sole, disarising out of such aforesaid application(s) for Patent ("Invening any country whatsoever, including all provisional, non-propart, international and convention applications based in who Inventions, (5) any and all patents for any such Inventions is extensions of any patent based in whole or in part upon such the entire right to (1) file such applications in its name or in Convention or any other treaty or understanding, (3) have said Trademarks of the United States of America and any contransfer all of said patents to said assignee in accordance he and damages for any and all infringements thereof, whether	y virtue of the International Co or understanding for intelled understanding, including rights closed in such aforesaid applica- nations"), (4) any and all applica- visional, divisional, renewal, such the or in part upon such aforesa in any country whatsoever, inclu- ted aforesaid application(s) for Letter in my name, (2) file such applica- taid patents granted in its name interpart in any other patent of past, present or future, to the	nvention for the Protection of Industrial tual property for any and all member in any and all provisional applications, ation(s) for Patent, and/or related to or ations for Patent for any such Inventions bstitute, continuation, continuations-india application(s) for Patent and/or such adding any and all reexams, reissues and atters Patent and/or such Inventions; (B) ations under the aforesaid International eror mine, the Commissioner of Patents fice being hereby authorized to issue or atents and to sue for and recover profits full end of the term or terms for which
said patents may be granted, as fully and entirely as the sar assignment;	ie would have been held and e	injoyed by the undersigned without this
II. Agree, whenever assignee asks, without further compense (A) to communicate to said assignee, its successors, assinventions or the rights described above, (B) to testify in a above, the location of that testimony to be in the country in should my country of residence prohibit such testimony, (C) by said assignee, its successors, assigns and legal represer including petitions, specifications, oaths, assignments, discrequested by said assignee and (D) generally to do every representatives to obtain, maintain, defend and enforce pate with assignee;	gns, and legal representatives, by legal proceeding respecting which I reside or in the nearest to execute all applications, paper tatives, to carry into effect and laimers, and lawful affidavits thing possible to aid said assignt protection for such inventions.	any facts known to me respecting such such Inventions or the rights described country in which such testimony is legalers or instruments necessary or required by of the provisions of this instrument, in form and substance which may be gnee, its successors, assigns, and legalers and/or secure title to such Inventions
III. Represent, warrant and covenant that I have the full right is not pre-dated by any grant, license, or other right heretofold. Agree that my grants and obligations herein shall also be assigns; and  V. Agree that an authorized representative of assignee is identification which may be necessary or desirable to complete of any other country for recordation of this Assign regarding application number and filing date when known.	re given by me to any party othend all of my heirs, executors, and hereby granted the power to y with the rules of the U.S. Pat	er than the assignee hereto; dministrators, legal representatives, and o insert in this assignment any further ent and Trademark Office or the patent
In Witness Whereof, I have executed this Worldwide Assign	ment on the date indicated by	my hand and auron that this Worldwide
Assignment shall be effective as of the earliest priority date for		
and or effective as of the earliest priority date to	. mo atoresato application(5) loi	Letters I atom.
TARA LUANA BARRETT  TARNOWSKI  Name of Inventor 6  Signatu	e of Inventor	Date (20/2020

**RECORDED: 03/04/2021**