506395669 12/10/2020

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6442425

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DIRK CHARLSON	09/29/2020
KYLE JAMES KOCAK	09/30/2020
DONALD KYLE	09/18/2020
LANDON LINN RIES	10/07/2020
MICHAEL THOMAS ROACH	09/17/2020

#### 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:	17090326

### **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:	8439-US-NP
NAME OF SUBMITTER:	GUY R. WATKINS
SIGNATURE:	/Guy R. Watkins/
DATE SIGNED:	12/10/2020

**PATENT** REEL: 054603 FRAME: 0635

506395669

## **Total Attachments: 5**

source=8439-US-NP\_5PLWT07\_Executed\_Assignments#page1.tif source=8439-US-NP\_5PLWT07\_Executed\_Assignments#page2.tif source=8439-US-NP\_5PLWT07\_Executed\_Assignments#page3.tif source=8439-US-NP\_5PLWT07\_Executed\_Assignments#page4.tif source=8439-US-NP\_5PLWT07\_Executed\_Assignments#page5.tif

## **WORLDWIDE ASSIGNMENT**

I, the undersigned <u>DIRK CHARLSON</u> , hereby declar			<u>VT07</u> the
subject matter of which is described in the applicat		No: <u>8439-US-NP</u> )	
$\boxtimes$ declaration executed on $9-29-20$	***************************************		
		, filed on	
PCT Application Serial No.	filed on		
<ul> <li>which claim(s) its earliest priority to Application S</li> </ul>	erial No.	, filed on	
which claim(s) its earliest priority to Application S For valuable consideration, the receipt and	d adequacy of which is hereby as	knowledged, and in fulfillment of my pre	-existing
obligation of assignment to assignee, which is here	by acknowledged, I hereby:		
1. Sell, assign, and transfer unto PIONEER HI-BRED	INTERNATIONAL, INC., a corpora	tion organized and existing under the lay	ns of the
State of Iowa in the United States of America and	having its principal place of bo	isiness at 7100 NW 62 <sup>nd</sup> Avenue, P.O. B	ox 1014,
Johnston, Iowa 50131-1014, herein referred to as t	he assignee, and to assignee's su	iccessors 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) fo	or Patent by virtue of the interna	itional Convention for the Protection of I	ndustrial
Property ("International Convention") and any of	ther treaty or understanding fo	or intellectual property for any and all	member
countries of the International Convention or other	treaty or understanding, include	ling rights in any and all provisional appl	lications,
(3) any and all of my inventions, whether joint o	r sole, disclosed in such aforesa	id application(s) for Patent, and/or relat	ed to or
arising out of such aforesaid application(s) for Pate	nt ("Inventions"), (4) any and	all applications for Patent for any such in	ventions
in any country whatsoever, including all provisions	il, non-provisional, divisional, re	newal, substitute, continuation, continua	itions-in-
part, international and convention applications based	sed in whole or in part upon sur	:h aforesaid application(s) for Patent and	/or such
inventions, (5) any and all patents for any such in	ventions in any country whatso	ever, including any and all reexams, reis:	sues and
extensions of any patent based in whole or in part	upon such aforesaid application	(s) for Letters Patent and/or such Invent	ions; (B)
the entire right to (1) file such applications in its i			
Convention or any other treaty or understanding,			
and Trademarks of the United States of America ar			
transfer all of said patents to said assignee in acco			
and damages for any and all infringements thereo			
said patents may be granted, as fully and entirely assignment;	as the same would have been h	eld and enjoyed by the undersigned with	nout this
II. Agree, whenever assignee asks, without further			
(A) to communicate to said assignee, its succe			-
Inventions or the rights described above, (8) to to			
above, the location of that testimony to be in the c			
should my country of residence prohibit such testin			
by said assignee, its successors, assigns and lega			
including petitions, specifications, oaths, assignment			
requested by said assignee and (D) generally to			
representatives to obtain, maintain, defend and en with assignee;	force patent protection for such	Inventions and/or secure title to such in	ventions
III. Represent, warrant and covenant that I have th	ie full right and lawful authority	to make this assignment, that such assign	ned right
is not pre-dated by any grant, license, or other right	t heretofore given by me to any	party other than the assignee hereto;	
IV. Agree that my grants and obligations herein sh	nall also bind all of my heirs, exe	cutors, administrators, legal representat	ives, and
assigns; and			
V. Agree that an authorized representative of a	issignee is hereby granted the	power to insert in this assignment any	y further
identification which may be necessary or desirable	to comply with the rules of the	e U.S. Patent and Trademark Office or th	e patent
office of any other country for recordation of the	his Assignment, including the p	power to insert on this assignment info	ormation
regarding application number and filing date when	known.		
In Witness Whereof, I have executed this Worldwi	de Assignment on the date indi	cated by my hand and agree that this W	orldwide
Assignment shall be effective as of the earliest prio	rity date for the aforesajd applic	ation(s) for Letters Patent.	
		M ~ ~ ~	
DIRK CHARLSON	Comment of the Commen	9-29-20	
Name of Inventor 1	Signature of Inventor	Date	

	WORLDWIDE ASSIGNMENT		
I, the undersigned <u>KYLE JAMES KOCAK</u> , hereby			<u>LWT07'</u>
the subject matter of which is described in the a		et No: 8439-05-NP )	
		filed on	
	tent Application Serial No.	, filed on	
PCT Application Serial No.	filed on	, filed on	
which claim(s) its earliest priority to Application		nowledged, and in fulfillment of my pre-	
obligation of assignment to assignee, which is h		nowledged, and in raminitent of my pre-	eviatilis
I. Sell, assign, and transfer unto PIONEER HI-BRI		ion organized and existing under the law	s of the
State of Iowa in the United States of America	•		
Johnston, Iowa 50131-1014, herein referred to a			
(A) the entire right, title, and interest in a	nd to: (1) the aforesald application(	s) for Letters Patent ("Patent"), (2) any	priority
rights derived from such aforesaid application(s	) for Patent by virtue of the Internat	ional Convention for the Protection of In	dustrial
Property ("International Convention") and any			
countries of the International Convention or ot	-		
(3) any and all of my inventions, whether join		• •	
arising out of such aforesaid application(s) for P		• •	
in any country whatsoever, including all provisi part, international and convention applications			
Inventions, (5) any and all patents for any sucl			
extensions of any patent based in whole or in p			
the entire right to (1) file such applications in i			
Convention or any other treaty or understanding	ng, (3) have said patents granted in	its name or mine, the Commissioner of	Patents
and Trademarks of the United States of Americ	a and any counterpart in any other p	atent office being hereby authorized to I	issue or
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 entire	ely as the same would have been he	ld and enjoyed by the undersigned with	out this
assignment;			ام مستند
<ul> <li>Agree, whenever assignee asks, without furth</li> <li>(A) to communicate to said assignee, its su</li> </ul>	· · · · · · · · · · · · · · · · · · ·		
Inventions or the rights described above, (B) t	<u>-</u>		_
above, the location of that testimony to be in the			
should my country of residence prohibit such te			
by said assignee, its successors, assigns and le	** - *		
including petitions, specifications, oaths, assig	gnments, disclaimers, and lawful at	fidavits in form and substance which i	may be
requested by said assignee and (D) generally	to do everything possible to aid s	aid assignee, its successors, assigns, ar	nd legal
representatives to obtain, maintain, defend and	l enforce patent protection for such	Inventions and/or secure title to such Inv	entions
with assignee;			
III. Represent, warrant and covenant that I have			ed right
is not pre-dated by any grant, license, or other r IV. Agree that my grants and obligations herei			oc and
assigns; and	is shall also billu all of thy fields, exec	ators, administrators, regai representativ	res, anu
V. Agree that an authorized representative of	of assignee is hereby granted the	power to insert in this assignment any	further
identification which may be necessary or desira			
office of any other country for recordation of			•
regarding application number and filing date wh	ien known.		
In Witness Whereof, I have executed this World	dwide Assignment on the date indic	ated by my hand and agree that this Wo	rldwide
Assignment shall be effective as of the earliest p	riority date for the aforesaid applicat	on(s) for Letters Patent.	
	1// 1/1	a .20 2 0 D	
KYLE JAMES KOCAK		<u> </u>	
Name of Inventor 2	Signature of Inventor	Date	

## WORLDWIDE ASSIGNMENT

	MOKIDMIDE ASSIGNIVIENT		
I, the undersigned $\underline{ exttt{DONALD}}$ KYLE, hereby decla			the
subject matter of which is described in the applica		No: <u>8439-US-NP</u> )	
declaration executed on $9-18-20$			
United States Of America Pate	ent Application Serial No	, filed on,	
PCT Application Serial No.	filed on		
which claim(s) its earliest priority to Application		, filed on	
		knowledged, and in fulfillment of my pre-exist	ting
obligation of assignment to assignee, which is here	<del>-</del> -		
I. Sell, assign, and transfer unto PIONEER HI-BRED			
State of Iowa in the United States of America an			)14,
Johnston, Iowa 50131-1014, herein referred to as			
(A) the entire right, title, and interest in and			
rights derived from such aforesaid application(s) f			
Property ("International Convention") and any of countries of the International Convention or other			
(3) any and all of my inventions, whether joint			
arising out of such aforesaid application(s) for Pat	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
in any country whatsoever, including all provision	The state of the s		
part, international and convention applications by			
Inventions, (5) any and all patents for any such I	• •	* * * * * * * * * * * * * * * * * * * *	
extensions of any patent based in whole or in par			
the entire right to (1) file such applications in its			
Convention or any other treaty or understanding			
and Trademarks of the United States of America a	and any counterpart in any other	patent office being hereby authorized to issue	e or
transfer all of said patents to said assignee in acc	ordance herewith, and (4) enforc	e said patents and to sue for and recover pro	ofits
and damages for any and all infringements there			
said patents may be granted, as fully and entirely	$\prime$ as the same would have been h $\epsilon$	eld and enjoyed by the undersigned without	this
assignment;			
II. Agree, whenever assignee asks, without furthe			
(A) to communicate to said assignee, its succ			
Inventions or the rights described above, (B) to			
above, the location of that testimony to be in the			
should my country of residence prohibit such test	** * * *		
by said assignee, its successors, assigns and leg- including petitions, specifications, oaths, assigns			
requested by said assignee and (D) generally to			
representatives to obtain, maintain, defend and e			
with assignee;	moree patent protection for such	inventions and or secure time to sach inventi-	OHS
III. Represent, warrant and covenant that I have t	he full right and lawful authority t	o make this assignment, that such assigned ri	ght
is not pre-dated by any grant, license, or other righ			<i>6</i> •
IV. Agree that my grants and obligations herein s			and
assigns; and	,		
V. Agree that an authorized representative of	assignee is hereby granted the	power to insert in this assignment any furt	her
identification which may be necessary or desirabl	e to comply with the rules of the	U.S. Patent and Trademark Office or the pat	ent
office of any other country for recordation of	this Assignment, including the p	ower to insert on this assignment informat	ion
regarding application number and filing date wher	ı known.		
In Witness Whereof, I have executed this Worldy	vide Assignment on the date indic	cated by my hand and agree that this Worldw	ide
Assignment shall be effective as of the earliest price	ority date for the aforesaid applicat	ion(s) for Letters Patent.	
	01.11	6 18 5 C	
DONALD KYLE	Signature of Inventor		
Name of Inventor 3	Signature of Inventor	Date	

## **WORLDWIDE ASSIGNMENT**

I, the undersigned <u>LANDON LINN RIES</u> , here the subject matter of which is described in the		n invention entitled <u>SOYBEAN VARIETY 5PLW</u> ket No: 8439-US-NP )	<u> ГО7</u>
declaration executed on 10/		,	
	Patent Application Serial No.	, filed on ,	
	filed on		
which claim(s) its earliest priority to Applica		, filed on	
For valuable consideration, the recei	pt and adequacy of which is hereby a	cknowledged, and in fulfillment of my pre-exist	ting
obligation of assignment to assignee, which is		, , , , , , , , , , , , , , , , , , ,	Ū
		ation organized and existing under the laws of	the
State of Iowa in the United States of America	ca and having its principal place of b	usiness at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 10	)14,
Johnston, Iowa 50131-1014, herein referred t			
		(s) for Letters Patent ("Patent"), (2) any prio	
		ational Convention for the Protection of Indust	
• • •		or intellectual property for any and all mem	
		ding rights in any and all provisional application	
		aid application(s) for Patent, and/or related to all applications for Patent for any such Inventi	
		enewal, substitute, continuation, continuations	
•		ch aforesaid application(s) for Patent and/or s	
		pever, including any and all reexams, reissues	
		n(s) for Letters Patent and/or such Inventions;	
		ich applications under the aforesaid Internatio	
Convention or any other treaty or understan	nding, (3) have said patents granted i	n its name or mine, the Commissioner of Pate	∍nts
		patent office being hereby authorized to issue	
		ce said patents and to sue for and recover pro	
		ire, to the full end of the term or terms for wh	
	tirely as the same would have been	neld and enjoyed by the undersigned without	this
assignment;	which are a superior substitute by the at accion and a	average for actual and reasonable costs incurs	rad
		expense for actual and reasonable costs incurrentatives, any facts known to me respecting s	
		especting such inventions or the rights descri	
		ne nearest country in which such testimony is le	
·		ions, papers or instruments necessary or requi	
		effect any of the provisions of this instrument	
		affidavits in form and substance which may	
		said assignee, its successors, assigns, and le	
representatives to obtain, maintain, defend	and enforce patent protection for suc	h Inventions and/or secure title to such Inventi	ions
with assignee;			
·		to make this assignment, that such assigned r	ight
is not pre-dated by any grant, license, or other			اء مام
	rein shall also bind all of my heirs, ex	ecutors, administrators, legal representatives,	anu
assigns; and	yo of assigned is hereby granted the	power to insert in this assignment any furt	ther
		e U.S. Patent and Trademark Office or the pai	
		power to insert on this assignment informa	
regarding application number and filing date			
		licated by my hand and agree that this Worldy	vide
Assignment shall be effective as of the earlier			
I ANDONY INDIDITE	4. 4 11.	10/7/2020	
LANDON LINN RIES  Name of Inventor 4	Signature of Inventor		
Maine of Hivelior 4	Digitature of Inventor	Date	

WORLDWIDE ASSIGNMENT	
I, the undersigned MICHAEL THOMAS ROACH, hereby deciare that I am an inventor of an invention entitled SOYBEAN VARI	ETY
SPIWTO7 the subject matter of which is described in the application for patent (Attorney Docket No: 8439-US-NP )	
declaration executed on $\frac{9}{17/2020}$	
United States Of America Patent Application Serial No	
PCT Application Serial No. filed on	
Activity control to a contract to scholar and the scholar and	
For valuable consideration, the receipt and adequacy of which is hereby acknowledged, and in fulfillment of my pre-exist	ing
obligation of assignment to assignee, which is hereby acknowledged, I hereby:	-
1. Self, assign, and transfer unto PROMEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of	the
State of lows in the United States of America and having its principal place of business at 7100 NW 62 <sup>nd</sup> Avenue, P.O. Box 10	14.
Johnston, lowa 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 price	άV
rights derived from such aforesaid application(s) for Patent by virtue of the International Convention for the Protection of Indust Property ("International Convention") and any other treaty or understanding for intellectual property for any and all memi	riai
countries of the International Convention or other treaty or understanding, including rights in any and all provisional application	368
(3) any and all of my inventions, whether joint or sole, disclosed in such aforesaid application(s) for Patent, and/or related to	RS,
arising out of such aforesaid application(s) for Patent ("inventions"), (4) any and all applications for Patent for any such inventions.	ane m
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 su	erk.
Inventions, (5) any and all patents for any such Inventions in any country whatsoever, including any and all reexams, reissues a	end.
extensions of any patent based in whole or in part upon such aforesaid application(s) for Letters Patent and/or such inventions;	(8)
the entire right to (1) file such applications in its name or in my name, (2) file such applications under the aforesaid internation	nai
Convention or any other treaty or understanding, (3) have said patents granted in its name or mine, the Commissioner of Pater	nts
and Trademarks of the United States of America and any counterpart in any other patent office being hereby authorized to issue	O٤
transfer all of said patents to said assignee in accordance herewith, and (4) enforce said patents and to sue for and recover prof	fits
and damages for any and all infringements thereof, whether past, present or future, to the full end of the term or terms for whi	ដែង
said patents may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned without t assignment;	nis
<ol> <li>Agree, whenever assignee asks, without further compensation but at assigner's expense for actual and reasonable costs incurred to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to me respecting successors.</li> </ol>	XI,
inventions or the rights described above, (B) to testify in any legal proceeding respecting such inventions or the rights described	icii.
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 le-	nest nest
should my country of residence prohibit such testimony. (C) to execute all applications, papers or instruments necessary or requir	Sour Sour
by said assignee, its successors, assigns and legal representatives, to carry into effect any of the provisions of this instrume	nt.
including petitions, specifications, oaths, assignments, disclaimers, and lawful affidavits in form and substance which may	bes
requested by said assignee and (D) generally to do everything possible to aid said assignee, its successors, assigns, and les	23
representatives to obtain, maintain, defend and enforce patent protection for such inventions and/or secure title to such inventio	หาร
with assignee;	
III. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned rig	\$132
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, a	:13
355igns; and	
V. Agree that an authorized representative of assignee is hereby granted the power to insert in this assignment any furtification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office or the pate	16:15
office of any other country for recordation of this Assignment, including the power to insert on this assignment informati	333
regarding application number and filling date when known.	08
In Witness Whereof, I have executed this Worldwide Assignment on the date indicated by my hand and agree that this Worldwi	
	ere.
Assignment shall be effective as of the earliest priority date for the aforesaid application(s) for Letters Patent.	
11	
MICHAEL THOMAS ROACH 1447 Lans Rose 4 9/17/2020	
3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1	

PATENT REEL: 054603 FRAME: 0641

Date

RECORDED: 12/10/2020 REEL: 054603 FRAM

Signature of Inventor

Name of Inventor 5