506915287 10/11/2021

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOEL REESE HEMINGWAY	08/19/2021
NADIA NIKOLAYEVNA KRASHENINNIK	09/15/2021
JOHN GERARD VAN HERK	08/30/2021

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:	17450388

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:	8774-US-NP
NAME OF SUBMITTER:	GUY R. WATKINS
SIGNATURE:	/Guy R. Watkins/
DATE SIGNED:	10/11/2021

Total Attachments: 3

source=8774-US-NP 5PVKB69 Executed Assignments#page1.tif source=8774-US-NP 5PVKB69 Executed Assignments#page2.tif

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WORLDWIDE ASSIGNMENT

I, the undersigned <u>JOEL REESE HEMINGWAY</u> , hereby declare that I am an inventor of an invention entitled <u>SOYBEAN VARIET</u> 5PVKB69 the subject matter of which is described in the application for patent (Attorney Docket No: <u>8774-US-NP</u>)	<u>Y</u>
declaration executed on Aug. 19 2021	
United States Of America Patent Application Serial No. , filed on ,	
PCT Application Serial Nofiled 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 fulfillment of my pre-existing	3
obligation of assignment to assignee, which is hereby acknowledged, I hereby: 1. Sell, assign, and transfer unto PIONEER HI-BRED INTERNATIONAL, INC., a corporation organized and existing under the laws of the 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 1014 Johnston, Iowa 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 priorit rights derived from such aforesaid application(s) for Patent by virtue of the International Convention for the Protection of Industria 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 obarising out of such aforesaid application(s) for Patent ("Inventions"), (4) any and all applications for Patent for any such Invention in any country whatsoever, including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in continuations, (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 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; (8 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 o	y y ll r s, r s - n dl) ll s r s n
assignment; 1. 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; II. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned rights is not pre-dated by any grant, license, or other right heretofore given by me to any party other than the assignee hereto; V. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and susigns; and V. Agree that an authorized representative of assignee is hereby granted the power to insert in this assignment any further dentification 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	t t
n 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.	1
Name of Inventor 1 Name of Inventor 1 Name of Inventor 1 Name of Inventor 1	

	WORLDWIDE ASSIGNIVIENT	
I, the undersigned NADIA NIKOLAYEVNA KRAS	HENINNIK, hereby declare that I am	an inventor of an invention entitled SOYBEAN
VARIETY 5PVKB69 the subject matter of which is	s described in the application for pate	nt (Attorney Docket No: 8774-US-NP)
	5/2021	
United States Of America Pa	atent Application Serial No.	, filed on,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Application	on Serial No.	, filed on .
For valuable consideration, the receipt	and adequacy of which is hereby ack	nowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is h		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
L Soll assign and transfer unto PIONEER HI-RR	ED INTERNATIONAL INC. a corporati	on organized and existing under the laws of the
State of Iowa in the United States of America	and having its principal place of busing	iness at 7100 NW 62 nd Avenue, P.O. Box 1014,
Johnston, Iowa 50131-1014, herein referred to	as the assignee, and to assignee's succ	cessors and assigns,
(A) the entire right, title, and interest in a	nd to: (1) the aforesaid application(s	for Letters Patent ("Patent"), (2) any priority
rights derived from such aforesaid application(s	s) for Patent by virtue of the Internati	ional Convention for the Protection of Industrial
Property ("International Convention") and an	y other treaty or understanding for	intellectual property for any and all member
countries of the International Convention or of	ther treaty or understanding, including	ng rights in any and all provisional applications,
(3) any and all of my inventions, whether join	nt or sole, disclosed in such aforesaid	d application(s) for Patent, and/or related to or
arising out of such aforesaid application(s) for F	Patent ("Inventions"), (4) any and al	I applications for Patent for any such Inventions
in any country whatsoever, including all provisi	ional, non-provisional, divisional, rene	ewal, 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 suc	h inventions in any country whatsoes	ver, including any and all reexams, reissues and
extensions of any patent based in whole or in p	part upon such aforesaid application(s	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	n applications under the aforesaid International
Convention or any other treaty or understandi	ing, (3) have said patents granted in i	its name or mine, the Commissioner of Patents
and Trademarks of the United States of America	a and any counterpart in any other p	atent office being hereby authorized to issue or
transfer all of said patents to said assignee in a	accordance herewith, and (4) enforce	e said patents and to sue for and recover profits
and damages for any and all infringements the	ereof, whether past, present or future	e, to the full end of the term or terms for which
said patents may be granted, as fully and entir	ely as the same would have been he	ld and enjoyed by the undersigned without this
assignment;		
II. Agree, whenever assignee asks, without furt	:her compensation but at assignee's e	xpense for actual and reasonable costs incurred,
(A) to communicate to said assignee, its si	uccessors, assigns, and legal represer	ntatives, any facts known to me respecting such
Inventions or the rights described above, (B) t	to testify in any legal proceeding res	pecting such inventions or the rights described
above, the location of that testimony to be in t	he country in which I reside or in the	nearest country in which such testimony is legal
should my country of residence prohibit such to	estimony, (C) to execute all applicatio	ns, papers or instruments necessary or required
by said assignee, its successors, assigns and l	legal representatives, to carry into e	effect any of the provisions of this instrument,
including netitions, specifications, oaths, assi	gnments, disclaimers, and lawful af	fidavits in form and substance which may be
requested by said assignee and (D) generally	v to do everything possible to aid s	said assignee, its successors, assigns, and legal
representatives to obtain maintain defend any	d enforce natent protection for such	Inventions and/or secure title to such Inventions
with assignee;	d dillordo pada, i protessa i i i i i i i i i i i i i i i i i i	•
Will designed,	ve the full right and lawful authority to	o make this assignment, that such assigned right
is not pre-dated by any grant, license, or other	right heretofore given by me to any p	arty other than the assignee hereto:
IN Assess that my grants and obligations hard	in shall also hind all of my heirs exec	cutors, administrators, legal representatives, and
	III Stidd diso bille dit of my fichs, exec	desis, darimistrators, rages, representations,
assigns; and	of assigned is baroby granted the r	power to Insert in this assignment any further
v. Agree that an authorized representative	entile to comply with the rules of the	U.S. Patent and Trademark Office or the patent
identification which may be necessary of desir	of this Assignment including the no	ower to insert on this assignment information
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regarding application number and filing date w		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
		cated by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest p	priority date for the aforesaid applicati	on(s) for Letters Patent.
	<i>?</i> ? ~	
NADIA NIKOLAYEVNA	APP [P	i
	Many -	<u>09 15 20x</u>
KRASHENINNIK	0: 1/101/	Data
Name of Inventor 2	Signature of Inventor	Date

WORLDWIDE ASSIGNMENT		
		ventor of an invention entitled SOYSEAN VARIET
<u>5PVKB69</u> the subject matter of which is describ	ed in the application for patent (A	ittorney Docket No: <u>8774-US-NP</u>)
declaration executed on Augus	t 30, 2021	
United States Of America P	atent Application Serial No.	, filed on ,
	201-03	
which claim(s) its earliest priority to Applicati	on Serial No	filed on
For valuable consideration, the receip	t and adequacy of which is hereby	racknowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is h		deline when Berry and a second
		oration organized and existing under the laws of the
		business at 7100 NW 62 nd Avenue, P.O. Box 1014
Johnston, Iowa 50131-1014, herein referred to		
		on(s) for Letters Patent ("Patent"), (2) any priority
		rnational Convention for the Protection of Industria
	· · · · · · · · · · · · · · · · ·	for intellectual property for any and all member
countries of the International Convention or c	ther treaty or understanding, inc	luding rights in any and all provisional applications
(3) any and all of my inventions, whether joi	nt or sole, disclosed in such afore	esaid application(s) for Patent, and/or related to o
arising out of such aforesaid application(s) for	Patent ("Inventions"), (4) any an	id all applications for Patent for any such Inventions
in any country whatsoever, including all provis	ional, non-provisional, divisional,	renewal, substitute, continuation, continuations-in
		such aforesaid application(s) for Patent and/or such
		soever, including any and all reexams, reissues and
		on(s) for Letters Patent and/or such Inventions; (B
		such applications under the aforesaid Internationa
		I in its name or mine, the Commissioner of Patents
		er patent office being hereby authorized to issue or
		orce said patents and to sue for and recover profits ture, to the full end of the term or terms for which
		held and enjoyed by the undersigned without this
assignment;	ery as trie same would have been	them and enjoyed by the unbetsigned without this
	her compensation but at assignee	's expense for actual and reasonable costs incurred
		esentatives, any facts known to me respecting such
		respecting such inventions or the rights described
		the nearest country in which such testimony is lega
		ations, papers or instruments necessary or required
		to effect any of the provisions of this instrument
including petitions, specifications, oaths, assi	gnments, disclaimers, and lawfu	I affidavits in form and substance which may be
requested by said assignee and (D) generally	r to do everything possible to a	id said assignee, its successors, assigns, and lega
representatives to obtain, maintain, defend an	d enforce patent protection for su	ich inventions and/or secure title to such inventions
with assignee;		
		ty to make this assignment, that such assigned right
is not pre-dated by any grant, license, or other		
	n shall also bind all of my heirs, e	xecutors, administrators, legal representatives, and
assigns; and		
		ne power to insert in this assignment any further
		he U.S. Patent and Trademark Office or the patent
		e power to insert on this assignment information
regarding application number and filing date w		
	•	idicated by my hand and agree that this Worldwide
Assignment shall be effective as of the earliest p	priority date for the aforesaid appli-	cation(s) for Letters Patent.
	1/2 1	A
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
JOHN GERARD VAN HERK	_ GMUSENTE	1 August 30, 2021 Date
Name of Inventor 3	Signature of Inventor (Date (
	W.	1 1

PATENT REEL: 057753 FRAME: 0213

RECORDED: 10/11/2021