506396042 12/10/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6442798

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RANDY LEROY KALLEM	09/22/2020
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:	17090340

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:	8442-US-NP
NAME OF SUBMITTER:	GUY R. WATKINS
SIGNATURE:	/Guy R. Watkins/
DATE SIGNED:	12/10/2020

Total Attachments: 2

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PATENT REEL: 054605 FRAME: 0415 506396042

_	WORLDWIDE ASSIGNMENT	
I, the undersigned RANDY LEROY KALLEM, hereby of		
the subject matter of which is described in the appli declaration executed on 9-22-20	cation for patent (Attorney Docket No: <u>844.</u>	<u>2-US-NP</u>)
<u> </u>	Application Serial No. ,	filed on ,
		,
PCT Application Serial No.	filed on	, filed on .
which claim(s) its earliest priority to Application Se	adequacy of which is hereby acknowledged	
obligation of assignment to assignee, which is hereb		, and in full inferit of thy pre-existing
l. Sell, assign, and transfer unto PIONEER HI-BRED II	•	ed and existing under the laws of the
State of Iowa in the United States of America and	•	
Johnston, Iowa 50131-1014, herein referred to as th	=	
(A) the entire right, title, and interest in and t	The state of the s	
rights derived from such aforesaid application(s) for		
Property ("International Convention") and any other		
countries of the International Convention or other		
(3) any and all of my inventions, whether joint or	sole, disclosed in such aforesaid applicatio	n(s) for Patent, and/or related to or
arising out of such aforesaid application(s) for Pater	nt ("Inventions"), (4) any and all applicatio	ns for Patent for any such Inventions
in any country whatsoever, including all provisional	, non-provisional, divisional, renewal, subst	itute, continuation, continuations-in-
part, international and convention applications bas		
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 n		
Convention or any other treaty or understanding, (
and Trademarks of the United States of America an		
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;	s the same would have been held and enjo	year by the undersigned without this
II. Agree, whenever assignee asks, without further o	ompensation but at assignee's expense for a	actual and reasonable costs incurred.
(A) to communicate to said assignee, its success		
Inventions or the rights described above, (B) to te		
above, the location of that testimony to be in the co		
should my country of residence prohibit such testin		
by said assignee, its successors, assigns and legal	representatives, to carry into effect any o	of the provisions of this instrument,
including petitions, specifications, oaths, assignme	ents, 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 assigne	e, its successors, assigns, and legal
representatives to obtain, maintain, defend and enf	orce patent protection for such Inventions a	and/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	all also bind all of my heirs, executors, admi	nistrators, legal representatives, and
assigns; and	relevant to hove by evented the news to in	sport in this assignment any further
V. Agree that an authorized representative of as identification which may be necessary or desirable	- · - · · - · · · · · · · · · · · · · ·	
office of any other country for recordation of th		
regarding application number and filing date when h		ert on this assignment information
In Witness Whereof, I have executed this Worldwic		hand and agree that this Worldwide
Assignment shall be effective as of the earliest prior	ary date for the aloresald application(s) for b	cucis i atent.
	10 1 - 2110	
RANDY LEROY KALLEM	Charly Z. Kaller	7-22-20
	Signature of Inventor	Date
Name of Inventor 1	Signature of Inventor	Date

PATENT REEL: 054605 FRAME: 0416

	WORLDWIDE ASSIGNMENT	
I, the undersigned MICHAEL THOMAS ROACH		
SPYPR84 the subject matter of which is describe		ney Docket No: 8442-US-NP)
- conversable splitters	7/2020	
United States Of America Pa	tent Application Serial No.	, filed on,
PCT Application Serial No.	filed on	filed on
which claim(s) its earliest priority to Application	n Serial No.	, filed on
For valuable consideration, the receipt	and adequacy of which is hereby ackr	nowledged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is he	ereby acknowledged, I hereby:	
1. Sell, assign, and transfer unto PIONEER HI-BRI		
State of lows in the United States of America		· · · · · · · · · · · · · · · · · · ·
Johnston, lowa 50131-1014, herein referred to a		ressors and assigns, I for Letters Patent ("Patent"), (2) any priority
rights derived from such aforesaid application(s		
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 such		
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		
and Trademarks of the United States of America transfer all of said patents to said assignee in a		
and damages for any and all infringements ther		
said patents may be granted, as fully and entire		
assignment;	and the second s	and an interest and the second second second second second second second
II. Agree, whenever assignee asks, without furth	er compensation but at assignee's ex	pense for actual and reasonable costs incurred.
		tatives, any facts known to me respecting such
inventions or the rights described above, (8) to	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		
including petitions, specifications, caths, assig		
requested by said assignee and (D) generally		
representatives to obtain, maintain, defend and with assignee;	emorce parem protection for such in	iseurious survor secure dire to secu inventions
III. Represent, warrant and covenant that I have	the full right and tank I authorite to	their barmings down took transmitted with column
is not pre-dated by any grant, license, or other ri		
IV. Agree that my grants and obligations herein		
assigns; and	• • • • • • • • • • • • • • • • • • • •	
V. Agree that an authorized representative of	if assignee is hereby granted the po	ower to insert in this assignment any further
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		
In Witness Whencof, 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 pe	iority date for the aforesaid applicatio	m(s) for Letters Patent.
	the state of the state of	a last
MICHAEL THOMAS ROACH	MAShow Forh	9/17/2020

Signature of inventor

PATENT

REEL: 054605 FRAME: 0417

Date

Name of Inventor 2