PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5732573

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS CHARLES CORBIN	08/14/2019
ANDREA BETH KALVIG	08/13/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16568492

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@PIONEER.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:	8110-US-NP
NAME OF SUBMITTER:	GUY R. WATKINS
SIGNATURE:	/GUY R. WATKINS/
DATE SIGNED:	09/23/2019

Total Attachments: 2

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PATENT REEL: 050462 FRAME: 0690 505685763

WORLDWIDE ASSIGNMENT

##QUED has INC #33/quillist (18)
, the undersigned THOMAS CHARLES CORBIN, hereby declare that I am an inventor of an invention entitled SOYBEAN VARIETY
5PFUT36 the subject matter of which is described in the application for patent (Attorney Docket No: 8110-US-NP)
declaration executed on 8-14-2019
United States Of America Patent Application Serial No, filed on,
PCT Application Serial No. filed on
which claim(s) its earliest priority to Application Serial No, filed on
For valuable consideration, the receipt and adequacy of which is hereby acknowledged, 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 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 priority
rights derived from such aforesaid application(s) for Patent by virtue of the International Convention for the Protection of Industrial
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 or
arising out of such aforesaid application(s) for Patent ("Inventions"), (4) any and all applications for Patent for any such inventions
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 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; (B)
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 or understanding, (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 transfer all of said patents to said assignee in accordance herewith, and (4) enforce said patents and to sue for and recover profits
and damages for any and all infringements thereof, whether past, present or future, 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;
II. 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;
III. Represent, warrant and covenant that I have the full right and lawful authority to make this assignment, that such assigned right
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, 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
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.
In 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.
Q/ 10 a 11
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THOMAS CHARLES CORBIN / Normal / harles /of 5-14-2019
Name of Inventor 1 Signature of Igventor C Date

PATENT REEL: 050462 FRAME: 0691

		WORLDWIDE ASSIGNMENT	
I, the	undersigned <u>ANDREA BETH KALVIG</u>	, hereby declare that I am an inventor of a	an invention entitled <u>SOYBEAN VARIETY 5PFUT36</u>
the su	bject matter of which is described i	n the application for patent (Attorney Doc	ket No: <u>8110-US-NP</u>)
\boxtimes	declaration executed on	8/13/19	
	United States Of America	Patent Application Serial No.	, filed on ,
$\overline{\Box}$	PCT Application Serial No.	filed on	
whic	ch claim(s) its earliest priority to App		, filed on .
			knowledged, and in fulfillment of my pre-existing
obliga		ch is hereby acknowledged, I hereby:	, ,
			tion organized and existing under the laws of the
			siness at 7100 NW 62 nd Avenue, P.O. Box 1014,
Johnst	on, Iowa 50131-1014, herein referr	ed to as the assignee, and to assignee's su	ccessors and assigns,
(A	a) the entire right, title, and interes	st in and to: (1) the aforesaid application((s) for Letters Patent ("Patent"), (2) any priority
rights	derived from such aforesaid applica	ation(s) for Patent by virtue of the Interna	tional Convention for the Protection of Industrial
Prope	rty ("International Convention") a	nd any other treaty or understanding fo	r intellectual property for any and all member
		-	ing rights in any and all provisional applications,
			id application(s) for Patent, and/or related to or
			all applications for Patent for any such Inventions
-		The state of the s	newal, substitute, continuation, continuations-in-
			h aforesaid application(s) for Patent and/or such
			ever, including any and all reexams, reissues and
			(s) for Letters Patent and/or such Inventions;(B) applications under the aforesaid International
			its name or mine, the Commissioner of Patents
			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
			eld and enjoyed by the undersigned without this
assign:			, , ,
-	•	it further compensation but at assignee's ϵ	expense for actual and reasonable costs incurred,
(A) to communicate to said assignee	, its successors, assigns, and legal represe	ntatives, any facts known to me respecting such
Invent	ions or the rights described above	, (B) to testify in any legal proceeding res	specting such Inventions or the rights described
above,	, the location of that testimony to b	e in the country in which I reside or in the	nearest country in which such testimony is legal
			ons, papers or instruments necessary or required
			effect any of the provisions of this instrument,
			ffidavits in form and substance which may be
			said assignee, its successors, assigns, and legal
		id and enforce patent protection for such	Inventions and/or secure title to such Inventions
	ssignee;	The second of the first of the second second	
	•		to make this assignment, that such assigned right
		other right heretofore given by me to any p	, -
assign:		fieren shan also bind all of my fiers, exec	cutors, administrators, legal representatives, and
_		ative of assignee is hereby granted the	power to insert in this assignment any further
_			U.S. Patent and Trademark Office or the patent
			ower to insert on this assignment information
	ing application number and filing d		
_			cated by my hand and agree that this Worldwide
		liest priority date for the aforesaid application	
ı rəsiği.	mient shan be effective as of the ear	nest priority date for the atoresaid applicati	ion(s) for Domois I dionic.
	ANDREA BETH KALVIG	andrea Roth Ka	lie 8/13/19

Signature of Inventor

PATENT

Date

REEL: 050462 FRAME: 0692

RECORDED: 09/23/2019

Name of Inventor 2