504559360 09/21/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT4606071 Stylesheet Version v1.2

SUBMISSION TYPE:NEW ASSIGNMENTNATURE OF CONVEYANCE:ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
DONNIE G GLOVER	06/30/2017
MARK JEFFREY MCMAHAN HOOD	04/04/2017
ZACHARY PHILLIP SHEARIN	04/01/2017

### **RECEIVING PARTY DATA**

Name:	PIONEER HI-BRED INTERNATIONAL, INC.	
Street Address:	7100 NW 62ND AVE	
City:	JOHNSTON	
State/Country:	IOWA	
Postal Code:	50131	

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15588924

### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: JOHNSTON, IOWA 50131

ATTORNEY DOCKET NUMBER:	7398-US-NP
NAME OF SUBMITTER:	LYNDA FITZPATRICK
SIGNATURE:	/Lynda Fitzpatrick/
DATE SIGNED:	09/21/2017

## **Total Attachments: 3**

source=7398USNP\_5PPRS22\_SignedAssignment-524671#page1.tif source=7398USNP\_5PPRS22\_SignedAssignment-524671#page2.tif source=7398USNP\_5PPRS22\_SignedAssignment-524671#page3.tif

PATENT 504559360 REEL: 043657 FRAME: 0575

	WORLDWIDE ASSIGNMENT	
	ereby declare that I am an inventor of an inven	
declaration executed on	e application for patent (Attorney Docket No:	<u>/398-U5-NP</u> )
<del></del>	Patent Application Social No. 15/500024	filed on Mov09 2017
United States Of America	Patent Application Serial No. 15/588924	, filed on <u>May08 2017</u> ,
PCT Application Serial No.	filed on	, filed on .
which claim(s) its earliest priority to App	eceipt and adequacy of which is hereby acknow	
obligation of assignment to assignee, which	· · · · · · · · · · · · · · · · · · ·	wiedged, and in rumininent of my pre-existing
= -	HI-BRED INTERNATIONAL, INC., a corporation	organized and existing under the laws of the
	nerica and having its principal place of busine	
	ed to as the assignee, and to assignee's succes	
(A) the entire right, title, and interes	st in and to: (1) the aforesaid application(s) for	or Letters Patent ("Patent"), (2) any priority
rights derived from such aforesaid applica	ation(s) for Patent by virtue of the Internation	al Convention for the Protection of Industrial
· · · · · · · · · · · · · · · · · · ·	nd any other treaty or understanding for in	
	n or other treaty or understanding, including	
· · · · ·	er joint or sole, disclosed in such aforesaid ap	
<u> </u>	s) for Patent ("Inventions"), (4) any and all approvisional, non-provisional, divisional, renewa	
	ations based in whole or in part upon such af	
	ny such Inventions in any country whatsoever	
	or in part upon such aforesaid application(s) for	
• •	ns in its name or in my name, (2) file such a	
Convention or any other treaty or under	standing, (3) have said patents granted in its	name or mine, the Commissioner of Patents
	merica and any counterpart in any other pate	
•	ee in accordance herewith, and (4) enforce sa	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · · · · · · · · ·	ts thereof, whether past, present or future, to	
•	l entirely as the same would have been held a	and enjoyed by the undersigned without this
assignment;	ut further compensation but at assignee's expe	once for actual and reasonable costs incurred
<del>-</del> ·	, its successors, assigns, and legal representat	
	, (B) to testify in any legal proceeding respec	
<del>-</del>	be in the country in which I reside or in the nea	
should my country of residence prohibit s	such testimony, (C) to execute all applications,	papers or instruments necessary or required
	and legal representatives, to carry into effe	
	, assignments, disclaimers, and lawful affida	
· · · · · · · · · · · · · · · · · · ·	nerally to do everything possible to aid said	
- ·	nd and enforce patent protection for such Inve	entions and/or secure title to such inventions
with assignee;	t I have the full right and lawful authority to m	take this assignment, that such assigned right
•	other right heretofore given by me to any party	
	herein shall also bind all of my heirs, executo	
assigns; and	•	
	ative of assignee is hereby granted the pow	
·	desirable to comply with the rules of the U.S	•
· · · · · · · · · · · · · · · · · · ·	tion of this Assignment, including the power	er to insert on this assignment information
regarding application number and filing d		
	Worldwide Assignment on the date indicated	
Assignment shall be effective as of the ea	rliest priority date for the aforesaid application	n(s) for Letters Patent.
	$\bigcap$ $\rho \cap I$	. / /
DONNIE G GLOVER	(Cano I Hour	(DB/17
Name of Inventor 1	Signature of Inventor	Date
Manie of Official I	PiBriataic of Hischitol	

**PATENT REEL: 043657 FRAME: 0576** 

# WORLDWIDE ASSIGNMENT

	AACHED AAIDE MOOIGIAIDIA	
, the undersigned MARK JEFFREY MCMAHAN H	OOD, hereby declare that I am an inver	ntor of an invention entitled SOYBEAN
/ARIETY 5PPRS22 the subject matter of which is de	scribed in the application for patent (Attor	rney Docket No: <u>7398-US-NP</u> )
declaration executed on		
United States Of America Pater	nt Application Serial No. <u>15/588924</u>	, filed on <u>May 8, 2017</u> ,
PCT Application Serial No.	filed on	
which claim(s) its earliest priority to Application S		, filed on
For valuable consideration, the receipt an	d adequacy of which is hereby acknowleds	ged, and in fulfillment of my pre-existing
obligation of assignment to assignee, which is here . Sell, assign, and transfer unto PIONEER HI-BRED		
cate of lowa in the United States of America and ohnston, lowa 50131-1014, herein referred to as to (A) the entire right, title, and interest in and lights derived from such aforesaid application(s) for property ("International Convention") and any observed of the International Convention or other appropriate and all of my inventions, whether is international conventions are all of my inventions.	he assignee, and to assignee's successors a to: (1) the aforesaid application(s) for Let or Patent by virtue of the international Cou ther treaty or understanding for intellec treaty or understanding, including rights	and assigns, iters Patent ("Patent"), (2) any priority nvention for the Protection of Industria tual property for any and all member in any and all provisional applications
any and all of my inventions, whether joint of crising out of such aforesaid application(s) for Patern any country whatsoever, including all provisional part, international and convention applications between the conventions, (5) any and all patents for any such in extensions of any patent based in whole or in partice he entire right to (1) file such applications in its inconvention or any other treaty or understanding, and Trademarks of the United States of America are ransfer all of said patents to said assignee in account damages for any and all infringements thereow aid patents may be granted, as fully and entirely	int ("Inventions"), (4) any and all applicand, non-provisional, divisional, renewal, subsed in whole or in part upon such aforesa ventions in any country whatsoever, incluipon such aforesaid application(s) for Lethame or in my name, (2) file such application (3) have said patents granted in its name and any counterpart in any other patent of transce herewith, and (4) enforce said part, whether past, present or future, to the	tions for Patent for any such Inventions ostitute, continuation, continuations-in- id application(s) for Patent and/or such  uding any and all reexams, reissues and  iters Patent and/or such Inventions; (B)  itions under the aforesaid International  or mine, the Commissioner of Patents  fice being hereby authorized to issue or  tents and to sue for and recover profits  full end of the term or terms for which
aid patents may be granted, as fully and entirely ssignment;	as the same would have been held and e	njoyed by the undersigned without this
i. Agree, whenever assignee asks, without further (A) to communicate to said assignee, its succenventions or the rights described above, (B) to to bove, the location of that testimony to be in the chould my country of residence prohibit such testimony said assignee, its successors, assigns and legal including petitions, specifications, oaths, assignmequested by said assignee and (D) generally to epresentatives to obtain, maintain, defend and envith assignee;	essors, assigns, and legal representatives, estify in any legal proceeding respecting sountry in which I reside or in the nearest country in which I reside or in the nearest country in which I reside or in the nearest country in which I reside or in the nearest country in the nearest country in the effect and ents, disclaimers, and lawful affidavits in the nearest country in the nearest	any facts known to me respecting such such inventions or the rights described country in which such testimony is legal rs or instruments necessary or required y of the provisions of this instrument, in form and substance which may be thee, its successors, assigns, and legal
<ol> <li>Represent, warrant and covenant that I have the mot pre-dated by any grant, license, or other right</li> <li>Agree that my grants and obligations herein shassigns; and</li> </ol>	heretofore given by me to any party othe all also bind all of my heirs, executors, ad	er than the assignee hereto; Iministrators, legal representatives, and
C. Agree that an authorized representative of a dentification which may be necessary or desirable ffice of any other country for recordation of the egarding application number and filing date when	to comply with the rules of the U.S. Pate is Assignment, including the power to	ent and Trademark Office or the patent
n Witness Whereof, I have executed this Worldwin		ny hand and agree that this Worldwide
ssignment shall be effective as of the earliest prior	ity date for the aforesaid application(s) for	Letters Patent.
MARK JEFFREY MCMAHAN HOOD	Signature of Inventor	
Name of Inventor 2	Signature of Inventor	Date
		Duit

PATENT REEL: 043657 FRAME: 0577

	WORLDWIDE ASSIGN	IMENT		
	<u>IP SHEARIN</u> , hereby declare that I an			
PROPERTY.	i is described in the application for pat	ent (Attorney Di	ocket No: <u>7398-US-N</u>	<u>P</u> _}
declaration executed on	· · · · · · · · · · · · · · · · · · ·			
United States Of America	Patent Application Serial No.	15/588924	, filed on May	8, 2017
PCT Application Serial No.	filed on			
which claim(s) its earliest priority t	o Application Serial No.		, filed on	
For valuable consideration,	the receipt and adequacy of which is I	nereby acknowle	dged, and in fulfillme	ent of my pre-existing
obligation of assignment to assignee	, which is hereby acknowledged, I here	eby:		
	REER HI-BRED INTERNATIONAL, INC., a			
	of America and having its principal pl			enue, P.O. Box 1014,
	eferred to as the assignee, and to assi			
	iterest in and to: (1) the aforesaid ap			
	pplication(s) for Patent by virtue of th			
Property ("International Convention	") and any other treaty or understa	anding for intell	ectual property for	any and all member
	ention or other treaty or understanding			
	hether joint or sole, disclosed in such			
	tion(s) for Patent ("Inventions"), (4)			
	g all provisional, non-provisional, divis			
	pplications based in whole or in part			
silventions, (5) any and all patents i	or any such inventions in any country	/ wnatsoever, in	cluding any and all re	eexams, reissues and
	hole or in part upon such aforesaid ap cations in its name or in my name, (;			
	nderstanding, (3) have said patents g			
	of America and any counterpart in a			
	signee in accordance herewith, and (			
	ments thereof, whether past, presen			
	and entirely as the same would hav			
assignment;	the state of the s		and a frame of the miles	or bight our with to the kind
II. Agree, whenever assignee asks, w	ithout further compensation but at as	signee's expense	e for actual and reaso	nable costs incurred.
	gnee, its successors, assigns, and lega			
	bove, (B) to testify in any legal proce			
above, the location of that testimony	y to be in the country in which I reside	or in the neare:	st country in which su	uch testimony is legal
	ibit such testimony, (C) to execute all			
	iigns and legal representatives, to ca			
	paths, assignments, disclaimers, and			
	generally to do everything possible			
	defend and enforce patent protection	for such inventi	ons and/or secure tit	le to such Inventions
with assignee;	Jan Nata — Baranda aya aya barat	and the same of th		w <sub>a</sub>
is. Represent, warrant and covenan	t that I have the full right and lawful a	uthority to make	e this assignment, tha	it such assigned right
	, or other right heretofore given by m			
iv. Agree that my grants and obligates assigns; and	tions herein shall also bind all of my h	ieirs, executors,	administrators, legal	representatives, and
	sentative of assignee is hereby gran	أعشينهم معاه الأمع	die teinung to diete oon	tananan ana tanàna
	ry or desirable to comply with the rul			
office of any other country for rec	ordation of this Assignment, includi	es of the o.s. re	atent and nedemark	Office of the patent
regarding application number and fill		ing the power t	o macit on tilis assi	granear amormation
	I this Worldwide Assignment on the	data indicated b	er my hand and name	the still Weather St.
	e earliest priority date for the aforesaic			mat tills worldwide
II IO 25 DVIDUATO DU HBRE MOURBEEN	e earnest briotify date for the aforesaid	application(s) t	or Leners Patent.	
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Signature of Inversor

**PATENT REEL: 043657 FRAME: 0578** 

**RECORDED: 09/21/2017** 

Name of Inventor 3