

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5626691

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JUN WEI	02/26/2015
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:	16451506
CORRESPONDENCE DATA	
Fax Number:	(515)535-6883
<i>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.</i>	
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:	RTS21215A-US-CNT
NAME OF SUBMITTER:	STEVEN CALLISTEIN
SIGNATURE:	/Steven Callistein/
DATE SIGNED:	07/19/2019
Total Attachments: 4	
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Attorney Docket No./US Serial No:
RTS21215A-US-PSP (USSN 61/944,436)
36446.0201U1 (USSN 62/019,175)
36446.0202U1 (USSN 62/019,159)
36446.0201U2 (USSN 62/039,283)
36446.0202U2 (USSN 62/039,286)
36446.0201U3 (USSN _____)

WORLDWIDE ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, I, Jun Wei located at 1095 SE Westwoods Dr. Waukee, IA 50263, formerly at Pioneer Hi-Bred International, Inc., the undersigned inventor has agreed to assign, and by these presents hereby assigns, as indicated below, unto

PIONEER HI-BRED INTERNATIONAL, INC.
7100 NW 62nd Avenue
P.O. Box 1014
Johnston, Iowa 50131-1014

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the inventions in

- “Crop Input Prediction Model Based On Probability” (USSN 61/944,436),
- “Environmental Management Zone Modeling And Analysis” (USSN 62/019,175),
- “Parameter Refinement For Land Management Modeling” (USSN 62/019,159),
- “Environmental Management Zone Modeling And Analysis” (USSN 62/039,283),
- “Parameter Refinement For Land Management Modeling” (USSN 62/039,286), and
- “Environmental Management Zone Modeling And Analysis” (USSN _____)

including all improvements to said inventions (“Inventions”) as set forth in these United States Patent Applications:

US Serial No. 61/944,436 filed February 25, 2014,
US Serial No. 62/019,175, filed June 30, 2014,
US Serial No. 62/019,159, filed June 30, 2014,
US Serial No. 62/039,283, filed August 19, 2014,
US Serial No. 62/039,286, filed August 19, 2014, and
US Serial No. _____, filed _____

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36446.0201U2 (USSN 62/039,283)
36446.0202U2 (USSN 62/039,286)
36446.0201U3 (USSN _____)

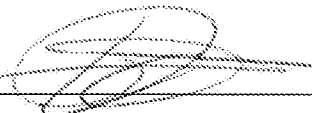
including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in-part, international and Convention applications based whole or in part upon said Inventions or upon said Applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said Inventions or upon said Applications and every priority right that is or may be predicated upon or arise from said Inventions, said Applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said Inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; said assignment including the right to bring legal proceedings and obtain any relief to which the undersigned would have been entitled if this assignment had not been made, in respect of any infringements of the undersigned's rights in relation to said Inventions, Applications and Letters Patent which occur before or after the date of this assignment; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said Inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said Inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be of said Inventions, and to testify in any proceedings relating to said Inventions, patent applications, Letters Patent, and to bind our heirs, legal representatives, and assigns, promptly to communicate to said Assignee or its representatives any facts known to us relating to said Inventions, to testify in any interference or legal proceedings involving said Inventions, the location of that testimony to be in the country in which we reside or in the nearest country in which such testimony is legal should our country of residence prohibit such testimony, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors or assigns to secure patent or similar protection for said Inventions and to vest in the Assignee complete title to said Inventions and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

The undersigned hereby grant an authorized representative of Assignee the power to insert in this Assignment any further identification which may be necessary or desirable to

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36446.0201U2 (USSN 62/039,283)
36446.0202U2 (USSN 62/039,286)
36446.0201U3 (USSN _____)

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.

IN WITNESS WHEREOF, I have executed this Assignment this 26 day of Feb, 2015



JUN WEI (L.S.)

State of Texas

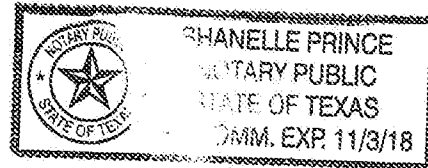
County of Harris

On this 26 day of Feb, 2015, before me, a Notary Public came JUN WEI, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed.



Notary Public

My Commission Expires: 11/3/18



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN
APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Invention	<ul style="list-style-type: none"> • "Crop Input Prediction Model Based On Probability" (USSN 61/944,436), • "Environmental Management Zone Modeling And Analysis" (USSN 62/019,175), • "Parameter Refinement For Land Management Modeling" (USSN 62/019,159), • "Environmental Management Zone Modeling And Analysis" (USSN 62/039,283), • "Parameter Refinement For Land Management Modeling" (USSN 62/039,286), and • "Environmental Management Zone Modeling And Analysis" (USSN _____)
As the below named inventor, I hereby declare that:	
This declaration is directed to: <input type="checkbox"/> The attached application, or	
<input checked="" type="checkbox"/> United States application or PCT international application number _____	
filed on _____	
US Serial No. 61/944,436 filed February 25, 2014, US Serial No. 62/019,175, filed June 30, 2014, US Serial No. 62/019,159, filed June 30, 2014, US Serial No. 62/039,283, filed August 19, 2014, US Serial No. 62/039,286, filed August 19, 2014, and US Serial No. _____, filed _____	
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
WARNING:	
Petitioner/applicant is cautioned to avoid submitting personal information in documents filed in a patent application that may contribute to identity theft. Personal information such as social security numbers, bank account numbers, or credit card numbers (other than a check or credit card authorization form PTO-2038 submitted for payment purposes) is never required by the USPTO to support a petition or an application. If this type of personal information is included in documents submitted to the USPTO, petitioners/applicants should consider redacting such personal information from the documents before submitting them to the USPTO. Petitioner/applicant is advised that the record of a patent application is available to the public after publication of the application (unless a non-publication request in compliance with 37 CFR 1.213(a) is made in the application) or issuance of a patent. Furthermore, the record from an abandoned application may also be available to the public if the application is referenced in a published application or an issued patent (see 37 CFR 1.14). Checks and credit card authorization forms PTO-2038 submitted for payment purposes are not retained in the application file and therefore are not publicly available.	
LEGAL NAME OF INVENTOR	
Inventor: _____	Date (Optional): _____
Signature: _____	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use an additional PTO/SB/AIA01 form for each additional inventor.	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1 minute to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT**RECORDED: 07/19/2019****REEL: 049799 FRAME: 0546**