

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7698559

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
ANDREW MARK CIGAN	03/29/2017
HUIRONG GAO	03/21/2017
ZHAN-BIN LIU	03/21/2017
JASDEEP MUTTI	03/21/2017
DEAN PODLICH	03/21/2017
CHRISTOPHER SCELONGE	03/21/2017

## RECEIVING PARTY DATA

<b>Name:</b>	PIONEER HI-BRED INTERNATIONAL, INC.
<b>Street Address:</b>	7100 NW 62ND AVENUE
<b>Internal Address:</b>	PO BOX 1014
<b>City:</b>	JOHNSTON
<b>State/Country:</b>	IOWA
<b>Postal Code:</b>	50131-1014
<b>Name:</b>	E. I. DU PONT DE NEMOURS AND COMPANY
<b>Street Address:</b>	CHESTNUT RUN PLAZA 974 CENTRE ROAD PO BOX 2915
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19805

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	18066607

## 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:** 5152703200

**Email:** IPSUPPORT@CORTEVA.COM

**Correspondent Name:** JEROD KUBLY

**Address Line 1:** 7250 NW 62ND AVENUE

**Address Line 2:** PO BOX 552

<b>Address Line 4:</b> JOHNSTON, IOWA 50131-0552	
<b>ATTORNEY DOCKET NUMBER:</b>	BB2355-US-PCN
<b>NAME OF SUBMITTER:</b>	JEROD KUBLY
<b>SIGNATURE:</b>	/JEROD KUBLY/
<b>DATE SIGNED:</b>	12/16/2022
<b>Total Attachments: 6</b> source=20221215_BB2355USPCT_ExecutedAssignments#page1.tif source=20221215_BB2355USPCT_ExecutedAssignments#page2.tif source=20221215_BB2355USPCT_ExecutedAssignments#page3.tif source=20221215_BB2355USPCT_ExecutedAssignments#page4.tif source=20221215_BB2355USPCT_ExecutedAssignments#page5.tif source=20221215_BB2355USPCT_ExecutedAssignments#page6.tif	

### WORLDWIDE ASSIGNMENT

I, the undersigned ANDREW MARK CIGAN, hereby declare that I am an inventor of an invention entitled GENERATION OF SITE SPECIFIC INTEGRATION SITES FOR COMPLEX TRAIT LOCI IN CORN AND SOYBEAN, AND METHODS OF USE the subject matter of which is described in the application for patent (Attorney Docket No: BB2355-US-PCT )

☐ declaration executed on \_\_\_\_\_  
☒ United States Of America Patent Application Serial No. 15/510037, filed on March 9, 2017,  
☐ 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 Iowa in the United States of America and having its principal place of business at 7100 NW 62<sup>nd</sup> 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.

ANDREW MARK CIGAN

Name of Inventor 1

Andrew Mark Cigan  
Signature of Inventor

March 29, 2017  
Date

### WORLDWIDE ASSIGNMENT

I, the undersigned HUIRONG GAO, hereby declare that I am an inventor of an invention entitled GENERATION OF SITE SPECIFIC INTEGRATION SITES FOR COMPLEX TRAIT LOCI IN CORN AND SOYBEAN, AND METHODS OF USE the subject matter of which is described in the application for patent (Attorney Docket No: BB2355-US-PCT )

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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;

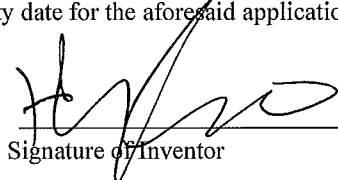
IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and assigns; and

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.

HUIRONG GAO

Name of Inventor 2

  
Signature of Inventor

3/21/2017  
Date

**WORLDWIDE ASSIGNMENT**

I, the undersigned ZHAN-BIN LIU, hereby declare that I am an inventor of an invention entitled GENERATION OF SITE SPECIFIC INTEGRATION SITES FOR COMPLEX TRAIT LOCI IN CORN AND SOYBEAN, AND METHODS OF USE the subject matter of which is described in the application for patent (Attorney Docket No: BB2355-US-PCT )

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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;

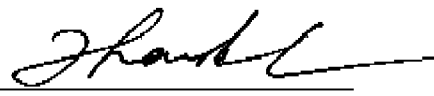
IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and assigns; and

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.

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ZHAN-BIN LIU

Name of Inventor 3

  
Signature of Inventor

3/21/2017  
Date

### WORLDWIDE ASSIGNMENT

I, the undersigned JASDEEP MUTTI, hereby declare that I am an inventor of an invention entitled GENERATION OF SITE SPECIFIC INTEGRATION SITES FOR COMPLEX TRAIT LOCI IN CORN AND SOYBEAN, AND METHODS OF USE the subject matter of which is described in the application for patent (Attorney Docket No: BB2355-US-PCT)

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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;

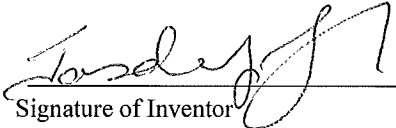
IV. Agree that my grants and obligations herein shall also bind all of my heirs, executors, administrators, legal representatives, and assigns; and

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.

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JASDEEP MUTTI

Name of Inventor 4

  
Signature of Inventor

3/21/17  
Date

### WORLDWIDE ASSIGNMENT

I, the undersigned DEAN PODLICH, hereby declare that I am an inventor of an invention entitled GENERATION OF SITE SPECIFIC INTEGRATION SITES FOR COMPLEX TRAIT LOCI IN CORN AND SOYBEAN, AND METHODS OF USE the subject matter of which is described in the application for patent (Attorney Docket No: BB2355-US-PCT )

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DEAN PODLICH

Name of Inventor 5

Dr. Podlich  
Signature of Inventor

3/21/2017  
Date

### WORLDWIDE ASSIGNMENT

I, the undersigned CHRISTOPHER SCELONGE, hereby declare that I am an inventor of an invention entitled GENERATION OF SITE SPECIFIC INTEGRATION SITES FOR COMPLEX TRAIT LOCI IN CORN AND SOYBEAN, AND METHODS OF USE the subject matter of which is described in the application for patent (Attorney Docket No: BB2355-US-PCT )

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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 Iowa in the United States of America and having its principal place of business at 7100 NW 62<sup>nd</sup> 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.

CHRISTOPHER SCELONGE

Name of Inventor 6

Christopher Scelonge  
Signature of Inventor

3/21/17  
Date

PATENT

RECORDED: 12/16/2022

REEL: 062120 FRAME: 0241