

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4828651

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

**CONVEYING PARTY DATA**

Name	Execution Date
WILLIAM JAMES GORDON-KAMM	01/15/2014
THEODORE MITCHELL KLEIN	12/04/2013
KEITH S. LOWE	01/14/2014
KEVIN E. MCBRIDE	01/14/2014
CHRISTOPHER JAY SCELONGE	12/03/2013
NING WANG	12/04/2013

**RECEIVING PARTY DATA**

<b>Name:</b>	PIONEER HI-BRED INTERNATIONAL, INC.
<b>Street Address:</b>	7100 NW 62ND AVENUE
<b>Internal Address:</b>	P. O. 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
<b>Internal Address:</b>	P. O. 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:	15673609

**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

**PATENT**

**Address Line 2:** P.O. BOX 552  
**Address Line 4:** JOHNSTON, IOWA 50131-0552

<b>ATTORNEY DOCKET NUMBER:</b>	3650-US-CNT2
<b>NAME OF SUBMITTER:</b>	LOUISE A. FOUTCH
<b>SIGNATURE:</b>	/Louise A. Foutch/
<b>DATE SIGNED:</b>	02/16/2018

**Total Attachments: 8**  
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**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, we, WILLIAM JAMES GORDON-KAMM, KEITH S. LOWE, CHRISTOPHER JAY SCELONGE and NING WANG at PIONEER HI-BRED INTERNATIONAL, INC., 7100 NW 62<sup>nd</sup> Avenue, Johnston, Iowa 50131, the undersigned inventor(s) has (have) sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

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

AND

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, we, THEODORE MITCHELL KLEIN and KEVIN E MCBRIDE at E.I. du PONT de NEMOURS and COMPANY, 1007 Market Street, Wilmington, Delaware 19898, the undersigned inventor(s) has (have) sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

E.I. du PONT de NEMOURS and COMPANY  
1007 Market Street  
Wilmington, Delaware 19898

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 "**METHODS AND COMPOSITIONS FOR THE INTRODUCTION AND REGULATED EXPRESSION OF GENES IN PLANTS**", including all improvements to said invention ("Invention")

as set forth in this United States Patent Application and in the PCT Patent Application

- executed concurrently herewith
- executed on
- US Serial No. 14/087,775 filed November 22, 2013 and;
- PCT Serial No.      filed      ,

which claim(s) priority of US Serial No. 12/982,180 filed December 30, 2010 to and US Serial No. 61/291,257 filed on December 30, 2009,

including all provisional, non-provisional, divisional, renewal, substitute, continuation, continuations-in-part, international and Convention applications based in 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 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.

This assignment is deemed to be effective at least as early as of December 30, 2009.

In Witness Whereof, I have executed this Worldwide Assignment on the 15<sup>th</sup> day of JANUARY, 2014  
<sub>14</sub>

WILLIAM JAMES GORDON-KAMM  
Name of Inventor

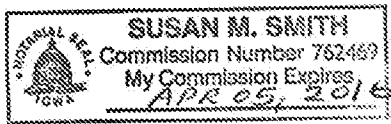
*W. J. Gordon-Kamm*  
Signature of Inventor

State of IOWA )

County of POLK )

I certify that I know or have satisfactory evidence that WILLIAM JAMES GORDON-KAMM is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 01/15/2014



Signature of Notary Public *Susan M. Smith*

Printed Name SUSAN M SMITH

My appointment expires 04/05/2016

In Witness Whereof, I have executed this Worldwide Assignment on the 4 day of December, 2013.

THEODORE MITCHELL KLEIN  
Name of Inventor

Theodore M. Klein  
Signature of Inventor

State of Delaware)

County of New Castle)

I certify that I know or have satisfactory evidence that THEODORE MITCHELL KLEIN is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated December 4, 2013

Signature of Notary Public Carol A. Purse

Printed Name Carol A. Purse

My appointment expires November 30, 2014

CAROL A. PURSE  
NOTARY PUBLIC  
STATE OF DELAWARE  
My commission expires Nov. 30, 2014

In Witness Whereof, I have executed this Worldwide Assignment on the 14 day of Feb., 2013. 2014

KEITH S. LOWE  
Name of Inventor

*Keith S. Lowe*  
Signature of Inventor

State of IOWA )

County of POLK )

I certify that I know or have satisfactory evidence that KEITH S. LOWE is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 01/14/2014

Signature of Notary Public *Susan M. Smith*

Printed Name SUSAN M SMITH

My appointment expires 04/05/2016



In Witness Whereof, I have executed this Worldwide Assignment on the 14 day of January, ~~2013~~. 2014

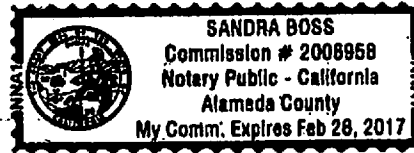
KEVIN E. MCBRIDE  
Name of Inventor

*Kevin E. McBride*  
Signature of Inventor

On 1/14/2014 before me, Sandra Boss, Notary personally appeared KEVIN E. MCBRIDE, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signatures on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Sandra Boss* (Seal)



In Witness Whereof, I have executed this Worldwide Assignment on the 3 day of December, 2013.

CHRISTOPHER JAY SCELONGE

Name of Inventor

Christopher Jay Scelonge  
Signature of Inventor

State of Iowa

County of Polk

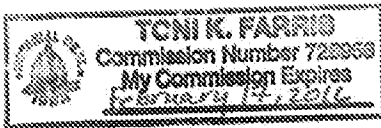
I certify that I know or have satisfactory evidence that CHRISTOPHER J. SCELONGE is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated December 3, 2013

Signature of Notary Public Toni K. Farris

Printed Name Toni K. Farris

My appointment expires February 17, 2016



In Witness Whereof, I have executed this Worldwide Assignment on the 4 day of Dec, 2013.

NING WANG  
Name of Inventor

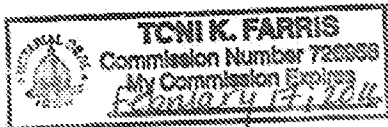
*Ning Wang*  
Signature of Inventor

State of Iowa)

County of Polk)

I certify that I know or have satisfactory evidence that NING WANG is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated December 4, 2013



Signature of Notary Public *Toni K Farris*

Printed Name Toni K. Farris

My appointment expires February 17, 2016