

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3085604

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the CLAIMS PRIORITY DATE AND EFFECTIVE DATE previously recorded on Reel 033699 Frame 0906. Assignor(s) hereby confirms the WHICH CLAIMS PRIORITY TO SERIAL #61/503890 FILED JULY 1,2011 AND 61/610252 FILED MARCH 13, 2012.

CONVEYING PARTY DATA

Name	Execution Date
TIMOTHY FOX	08/21/2014
JUAN PABLO SAN MARTIN TOLOZA	08/22/2014
JEFFREY SCHUSSLER	09/08/2014
DALE LOUSSAERT	08/21/2014
BO SHEN	08/21/2014

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
PCT Number:	US1330559

CORRESPONDENCE DATA

Fax Number: (515)535-8366
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: 5155356780
Email: CINDY.DOTY@PIONEER.COM
Correspondent Name: KAREN K. VARLEY
Address Line 1: 7100 NW 62ND AVE.
Address Line 4: JOHNSTON, IOWA 50131

ATTORNEY DOCKET NUMBER:	4264
NAME OF SUBMITTER:	KAREN K. VARLEY
SIGNATURE:	/KAREN K. VARLEY/
DATE SIGNED:	10/29/2014

Total Attachments: 7

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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, Timothy Fox, Dale Loussaert, Jeffrey Schussler, Juan Pablo San Martin Toloza, and Bo Shen at PIONEER HI-BRED INTERNATIONAL, INC., 7100 NW 62nd Avenue, Johnston, Iowa 50131-1014, the undersigned inventors have sold and assigned, and by these presents hereby sells and 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 "**GENETIC REDUCTION OF MALE FERTILITY IN PLANTS**", including all improvements to said invention ("Invention")

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

- executed concurrently herewith
- executed on
- US Serial No. filed and;
- PCT Serial No. PCT/US13/30559 filed March 12, 2013,

which claims priority to 61/610252, filed March 13, 2012

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 March 13, 2012.

In Witness Whereof, I have executed this Worldwide Assignment on the 21 day of August, 2014.

Timothy Fox
Name of Inventor

[Signature]
Signature of Inventor

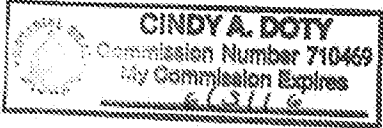
NOTARY:

State of Iowa

County of Polk

I certify that I know or have satisfactory evidence that **Timothy Fox** 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 8/21/14
Signature of Notary Public [Signature]
Printed Name Cindy A. Doty
My appointment expires 6/30/16



In Witness Whereof, I have executed this Worldwide Assignment on the 22nd day of August, 2014.

Juan Pablo San Martin Toloza
Name of Inventor

[Signature]
Signature of Inventor

NOTARY:

State of IDAHO)

County of POLK)

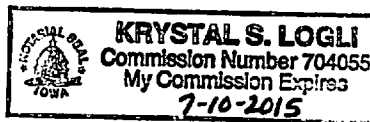
I certify that I know or have satisfactory evidence that **Juan Pablo San Martin Toloza** is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated August 22, 2014

Signature of Notary Public Krystal S. Logli

Printed Name KRYSTAL S. LOGLI

My appointment expires 7-10-2015



ATTORNEY DOCKET NUMBER: 4264

In Witness Whereof, I have executed this Worldwide Assignment on the 08 day of September, 2014.

Jeffrey Schussler
Name of Inventor

Jeffrey Schussler
Signature of Inventor

NOTARY:

State of Iowa

County of Linn

I certify that I know or have satisfactory evidence that **Jeffrey Schussler** 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 9/8/14

Signature of Notary Public Amy Keith

Printed Name Amy Keith

My appointment expires 11/30/15



In Witness Whereof, I have executed this Worldwide Assignment on the 21 day of August, 2014.

Dale Loussaert
Name of Inventor

Dale Loussaert
Signature of Inventor

NOTARY:

State of Iowa)

County of Polk)

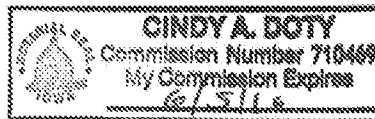
I certify that I know or have satisfactory evidence that **Dale Loussaert** is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 8/21/14

Signature of Notary Public Cindy A. Doty

Printed Name Cindy A. Doty

My appointment expires 6/15/16



In Witness Whereof, I have executed this Worldwide Assignment on the 21 day of Aug, 2014.

Bo Shen
Name of Inventor

Bo Shen
Signature of Inventor

NOTARY:

State of Iowa

County of Polk

I certify that I know or have satisfactory evidence that **Bo Shen** 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 8/21/14

Signature of Notary Public Cindy A. Doty

Printed Name Cindy A. Doty

My appointment expires 6/15/16

