

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Carlos Messina	04/02/2010
Jun Wei	03/22/2010
Zhanshan Dong	03/23/2010
Zhisheng Qing	03/29/2010
Jean-Louis Laffont	03/31/2010
Mitchell Samples	03/29/2010
Jeffrey R. Schussler	04/01/2010
Geoffrey I. Graham	03/26/2010
Carlos Loeffler	03/23/2010

RECEIVING PARTY DATA

Name:	Pioneer Hi-Bred International, Inc.
Street Address:	7250 NW 62nd Ave
City:	Johnston
State/Country:	IOWA
Postal Code:	50131

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12763250

CORRESPONDENCE DATA

Fax Number: (515)334-6883
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 515-270-3599
 Email: Michelle.Rees@Pioneer.com
 Correspondent Name: Virginia Dress
 Address Line 1: 7250 NW 62nd Ave
 Address Line 4: Johnston, IOWA 50131

CH \$40.00 12763250

ATTORNEY DOCKET NUMBER:	2704
NAME OF SUBMITTER:	Virginia Dress
<p>Total Attachments: 13</p> <p>source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page1.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page2.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page3.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page4.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page5.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page6.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page7.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page8.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page9.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page10.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page11.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page12.tif source=DOCS_PATENT-124393-v1-2704_Signed_Assignment#page13.tif</p>	

WORLDWIDE ASSIGNMENT

THIS ASSIGNMENT, effective May 8, 2009, made by us,

Carlos Messina, a citizen of Argentina residing at 2500 Kenway Drive, Des Moines, Iowa 50310, USA;

Jun Wei, a citizen of The United States of America, residing at 1095 Westwoods Drive, Waukee, Iowa 50263, U.S.A.;

Zhanshan Dong, a citizen of The People's Republic of China, residing at 9309 Carmel Drive, Johnston, IA 50131, USA.;

Zhisheng Qing, a citizen of The People's Republic of China, residing at 9004 Longview Drive, Johnston, IA 50131, USA.;

Jean-Louis Laffont, a citizen of France, residing at 1 rue du Professeur Sebdrail, Toulouse, France 31100;

Mitchell Samples, a citizen of The United States of America, residing at 1085 Westwoods Drive, Waukee, IA 50263, USA.;

Jeffrey R. Schussler, a citizen of The United States of America, residing at 2031 Fox Hollow Rd, Marion, IA 52302, USA.;

Geoffrey I. Graham, a citizen of The United States of America, residing at 855 Westwoods Dr., Waukee, IA 50263, USA.;

Carlos Loeffler, a citizen of The United States of America, residing at 6008 Dogwood Circle, Johnston, IA 50131, USA;

Mark Cooper, a citizen of Australia, residing at 6562 North Winwood Drive, Johnston, IA 50131, USA.

WITNESSETH: That,

WHEREAS, we are the sole inventors of certain new and useful improvements in

“REAL-TIME PROCESS FOR TARGETING TRAIT PHENOTYPING OF PLANT BREEDING EXPERIMENTS”

for which international applications have been filed, including an international application under the Patent Cooperation Treaty (PCT) which has been filed in the Receiving Office of the United States Patent and Trademark Office on April 20, 2010, under International Application No. PCT/US2010/031735, which claimed priority to U.S. Serial No. 61/176,536 filed on May 8, 2009 and also filed in the United States on April 20, 2010 under United States Application No. 12/763,250.

WHEREAS, Pioneer Hi-Bred International, Inc. an Iowa corporation having a principal place of business at Johnston, Iowa USA, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in and to said invention as described in said application(s), and in and to any and all Letters Patent which shall be granted based upon this international patent application in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application(s), and in and to any and all national phases, continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to

2704-PCT

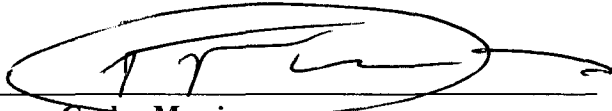
claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and application above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree 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 invention, to testify in any interference or legal proceedings involving said invention, 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 the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 2 day
of April, 2010.


Carlos Messina

STATE OF Texas)
COUNTY OF Polk)

I, Michelle L. Rees, a Notary Public for said County and State, do hereby
certify that **Carlos Messina** personally appeared before me this day and acknowledged the
due execution of the foregoing instrument.

Witness my hand and official seal, this the 2nd day of April,
2010

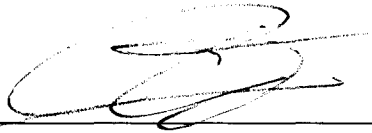
(Official Seal)

Michelle L. Rees
Notary Public



2704-PCT

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 22 day of March, 2010.



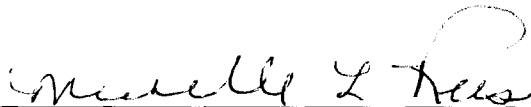
Jun Wei (SEAL)

STATE OF Iowa)
COUNTY OF Polk)

I, Michelle Rees, a Notary Public for said County and State, do hereby certify that **Jun Wei** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 22nd day of March, 2009.

(Official Seal)



Notary Public



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 23 day of March, 2010.

Zhanshan Dong (SEAL)
Zhanshan Dong

STATE OF Iowa
COUNTY OF Polk

I, Michelle L Rees, a Notary Public for said County and State, do hereby certify that **Zhanshan Dong** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 23rd day of March, 2009
10th

(Official Seal)

Michelle L Rees
Notary Public



2704-PCT

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29th day of March, 2010.

Zhisheng Qing

Zhisheng Qing

STATE OF Iowa)

COUNTY OF Polk)

I, Michelle Rees, a Notary Public for said County and State, do hereby certify that **Zhisheng Qing** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 29th day of March, 2010

(Official Seal)

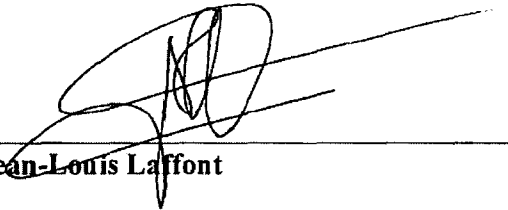


Michelle L. Rees

Notary Public

2704-PCT

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 31st day of March, 2010.



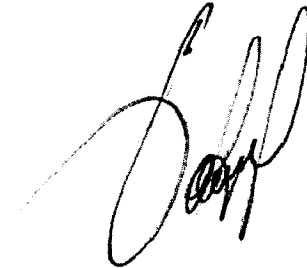
Jean-Louis Laffont (SEAL)

Signed by Jean-Louis Laffont of his own free will, before these two witnesses on this the 31st day of March, 2010.

Dominique (Zaki)
Witness Name



Jean Donnemwith
Witness Name:



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29 day of March, 2010.

Mitchell Samples

Mitchell Samples

STATE OF Town)
COUNTY OF Polk)

I, Michelle L. Rees, a Notary Public for said County and State, do hereby certify that **Mitchell Samples** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 29 day of March, 2010

(Official Seal)



Michelle L. Rees

2704-PC:1

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 1st day of

April, 2010.

Jeffrey B. Schussler (SEAL)
Jeffrey B. Schussler

STATE OF Iowa)
COUNTY OF Linn)

I, Sharon A. Woodward, a Notary Public for said County and State, do hereby certify that **Jeffrey . Schussler** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 1st day of April 2010, 2009.

(Official Seal)

Sharon A. Woodward



IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 26 day of March, 2010.

Geoffrey I. Graham (SEAL)
Geoffrey I. Graham

STATE OF Iowa)
COUNTY OF Polk)

I, Michelle L. Rees, a Notary Public for said County and State, do hereby certify that **Geoffrey I. Graham** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 26th day of March, 2009,
me

(Official Seal)

Michelle L. Rees



2704-PCT

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 23rd day of March, 2010.

(SEAL)

Carlos Loeffler

STATE OF Iowa)

COUNTY OF Polk)

I, Michelle Rees, a Notary Public for said County and State, do hereby certify that **Carlos Loeffler** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 23rd day of March, 2010.
me

(Official Seal)



2704-PCT

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 29 day of MARCH, 2010.

Mark Cooper
Mark Cooper

STATE OF Iowa)
COUNTY OF Polk)

I, Michelle L. Rees, a Notary Public for said County and State, do hereby certify that **Mark Cooper** personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 29th day of March, 2010

(Official Seal)

Michelle L. Rees

