

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Erica Bermudez</td> <td>02/08/2012</td> </tr> <tr> <td>Ruth Cong</td> <td>02/07/2012</td> </tr> <tr> <td>Jingtong Hou</td> <td>02/07/2012</td> </tr> <tr> <td>Takashi Yamamoto</td> <td>02/07/2012</td> </tr> </tbody> </table>		Name	Execution Date	Erica Bermudez	02/08/2012	Ruth Cong	02/07/2012	Jingtong Hou	02/07/2012	Takashi Yamamoto	02/07/2012		
Name	Execution Date												
Erica Bermudez	02/08/2012												
Ruth Cong	02/07/2012												
Jingtong Hou	02/07/2012												
Takashi Yamamoto	02/07/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>PIONEER HI-BRED INTERNATIONAL, INC.</td> </tr> <tr> <td>Street Address:</td> <td>7100 N.W. 62nd Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>P.O. Box 1014</td> </tr> <tr> <td>City:</td> <td>Johnston</td> </tr> <tr> <td>State/Country:</td> <td>IOWA</td> </tr> <tr> <td>Postal Code:</td> <td>50131-1014</td> </tr> </table>		Name:	PIONEER HI-BRED INTERNATIONAL, INC.	Street Address:	7100 N.W. 62nd Avenue	Internal Address:	P.O. Box 1014	City:	Johnston	State/Country:	IOWA	Postal Code:	50131-1014
Name:	PIONEER HI-BRED INTERNATIONAL, INC.												
Street Address:	7100 N.W. 62nd Avenue												
Internal Address:	P.O. Box 1014												
City:	Johnston												
State/Country:	IOWA												
Postal Code:	50131-1014												
PROPERTY NUMBERS Total: 3													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>61441816</td> </tr> <tr> <td>Application Number:</td> <td>13370408</td> </tr> <tr> <td>PCT Number:</td> <td>US1224602</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	61441816	Application Number:	13370408	PCT Number:	US1224602				
Property Type	Number												
Application Number:	61441816												
Application Number:	13370408												
PCT Number:	US1224602												
CORRESPONDENCE DATA													
Fax Number:	(919)862-2260												
Phone:	919-862-2200												
Email:	patent-mail@alston.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Andrea B. Sherk												
Address Line 1:	4721 Emperor Boulevard												
Address Line 2:	Suite 400												
Address Line 4:	Durham, NORTH CAROLINA 27703-8580												

CH \$120.00 61441816

ATTORNEY DOCKET NUMBER:	035718/414541/EBC
NAME OF SUBMITTER:	Andrea B. Sherk
<p>Total Attachments: 5</p> <p>source=414541Assignment#page1.tif</p> <p>source=414541Assignment#page2.tif</p> <p>source=414541Assignment#page3.tif</p> <p>source=414541Assignment#page4.tif</p> <p>source=414541Assignment#page5.tif</p>	

ASSIGNMENT

THIS ASSIGNMENT, made by us, Erica Bermudez, citizen of the United States of America; Ruth Cong, citizen of the United States of America; Jingtong Hou, citizen of the People's Republic of China; and Takashi Yamamoto, citizen of the United States of America, respectively;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in SYNTHETIC INSECTICIDAL PROTEINS ACTIVE AGAINST CORN ROOTWORM for which a utility application for United States Letters Patent has been filed in the United States Patent and Trademark Office, and for which an international application under the Patent Cooperation Treaty (PCT) has been filed in the Receiving Office of the United States Patent and Trademark Office. We hereby authorize and request the Assignee and its attorney, (Alston & Bird LLP) to insert here in parentheses (U.S. Utility Application No. 13/370,408

_____, filed February 10, 2012) and (International Application No. _____
PCT/US2012/024602 _____, filed February 10, 2012) the filing dates and
application numbers of said applications when known; and which applications claim priority
from Application No. 61/441,816, filed February 11, 2011; the U.S. utility and international
applications listed above being hereinafter referred to as the “application”; and

WHEREAS, Pioneer Hi-Bred International, Inc., a corporation having a principal place of business at 7100 N.W. 62nd Avenue, P.O. Box 1014, Johnston, IA 50131-1014, 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, and in and to any and all Letters Patent which shall be granted therefor 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, and in and to any and all 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, reexaminations, or extensions 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 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.

02/08/2012
Date

Erica Bermudez
Erica Bermudez

2-7-12
Date


Ruth Cong

2-7-2012
Date

Hou Jingtong
Jingtong Hou

Feb 7, 2012
Date


Takashi Yamamoto