

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the Patent and Trademark Office:

Attorney Dkt. No.: 035718/285836

Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Andre R. Abad  
Ronald D. Flannagan  
James F. Wong  
Cao-Guo YuRafael Herrmann  
Albert L. Lu  
Billy F. McCutchen  
James K. Presnail  
Janet A. RiceExecution Date(s): Abad, Flannagan, Wong, Yu: 3/18/05;  
Herrmann, Lu: 3/9/05; McCutchen: 3/18/05; Presnail: 3/16/05;  
Rice: 3/14/05Additional name(s) of conveying party(ies) attached? Yes ☐ No ☒

2. Name and address of receiving party(ies):

Pioneer Hi-Bred International, Inc.  
7100 N.W. 62<sup>nd</sup> Avenue  
Johnston, IA 50131-1014E.I. du PONT de NEMOURS and COMPANY  
1007 Market Street  
Wilmington, DE 19898Additional name(s) & address(es) attached? Yes ☐ No ☒

3. Nature of conveyance:

- ☒
- Assignment
- ☐
- Merger
- 
- ☐
- Security Agreement
- ☐
- Change of Name
- 
- ☐
- Government Interest Assignment
- 
- ☐
- Executive Order 9424, Confirmatory License
- 
- ☐
- Other \_\_\_\_\_

4. Patent Application No.(s) 11/021,115

Patent No.(s)

☐ This document is being filed together with a new application.Additional numbers attached? Yes ☐ No ☒

5. Name and address of party to whom correspondence concerning document should be mailed:

ALSTON & BIRD LLP  
Bank of America Plaza  
101 South Tryon Street, Suite 4000  
Charlotte, NC 28280-4000

6. Total number of applications and patents involved:

17. Total fee (37 CFR 1.21(h) & 3.41) \$40.00☐

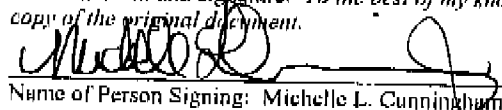
Enclosed

☒

Authorized to be charged to deposit account

8. Deposit account number: 16-0605

DO NOT USE THIS SPACE

9. Statement and signature: *To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*  
Name of Person Signing: Michelle L. CunninghamApril 7, 2005

Date

Reg. No. 51,072

USPTO Fax Number for New Assignments (703) 306-5995

Total number of pages including cover sheet, attachments, and documents: 5

RTA01/2179416v1

CH \$40.00 160605 11021115

CASE NO. 035718/285836

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and in fulfillment of a pre-existing obligation of assignment, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, as indicated below, unto

PIONEER HI-BRED INTERNATIONAL, INC.  
800 Capital Square  
400 Locust Street  
Des Moines, Iowa 50309

or

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 invention in "**PLANT ACTIVATION OF INSECT TOXIN**"

as set forth in this United States Patent Application

☐ executed concurrently herewith  
☐ executed on  
☒ Application No. 11/021,115 filed 12/22/04

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation 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; 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.

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 for recordation of this Assignment.

ASSIGN TO: Pioneer Hi-Bred International, Inc.

[Signature]

Date 03-18-05

State of Iowa )

County of Polk ) ss.

I certify that I know or have satisfactory evidence that Andre R. Abad 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 3-18-05

Signature of Notary Public [Signature]

Printed Name Ginny Boesen

My appointment expires



ASSIGN TO: E.I. du Pont de Nemours and Company

[Signature]

Date 3/4/05

State of IA )

County of Polk ) ss.

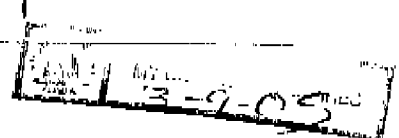
I certify that I know or have satisfactory evidence that Rafael Herrmann is the person who appeared before me and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 3-9-05

Signature of Notary Public [Signature]


Printed Name Ginny Boesen

My appointment expires




ASSIGN TO: Pioneer Hi-Bred International, Inc.  
Ronald D. Flanagan  
18 March 2005  
Date  
State of IOWA )  
County of POLK ) ss.

I certify that I know or have satisfactory evidence that Ronald D. Flanagan 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 3-18-05  
Signature of Notary Public Ginny Boesen  
Printed Name Ginny Boesen  
My appointment expires 

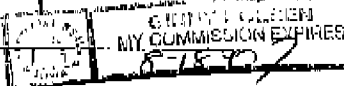
ASSIGN TO: E.I. du Pont de Nemours and Company  
Albert L. Lu  
3-09-2005  
Date  
State of IA )  
County of ~~New Castle~~ POLK ) ss.

I certify that I know or have satisfactory evidence that Albert L. Lu 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 3-9-05  
Signature of Notary Public Ginny Boesen  
Printed Name Ginny Boesen  
My appointment expires 


ASSIGN TO: Pioneer Hi-Bred International, Inc.  
James F. Wong  
March 18, 2005  
Date  
State of IOWA )  
County of POLK ) ss.

I certify that I know or have satisfactory evidence that James F. Wong 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 3-18-2005  
Signature of Notary Public Ginny Boesen  
Printed Name Ginny Boesen  
My appointment expires 

ASSIGN TO: E.I. du Pont de Nemours and Company  
Billy F. McCutchen  
March 18, 2005  
Date  
State of IOWA )  
County of POLK ) ss.

I certify that I know or have satisfactory evidence that Billy F. McCutchen 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 3-18-05  
Signature of Notary Public Ginny Boesen  
Printed Name Ginny Boesen  
My appointment expires 

ASSIGN TO: Pioneer Hi-Bred International, Inc.

[Signature]  
Date Mar 18, 2005

State of Iowa )  
County of POLK ) ss.

I certify that I know or have satisfactory evidence that Cao-Guo Yu 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 3-18-05

Signature of Notary Public [Signature]  
Printed Name Ginny Boesen  
My appointment expires [Stamp: GINNY BOESEN MY COMMISSION EXPIRES 8-18-07]

ASSIGN TO: E.I. du Pont de Nemours and Company

[Signature]  
Date March 16, 2005

State of Iowa )  
County of POLK ) ss.

I certify that I know or have satisfactory evidence that James K. Presnail 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 3-16-05

Signature of Notary Public [Signature]  
Printed Name Ginny Boesen  
My appointment expires [Stamp: GINNY BOESEN MY COMMISSION EXPIRES 8-18-2007]

ASSIGN TO: E.I. du Pont de Nemours and Company

[Signature]  
Date March 14, 2005

State of Delaware )  
County of New Castle ) ss.

I certify that I know or have satisfactory evidence that Janet A. Rice 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 March 14, 2005

Signature of Notary Public [Signature]  
Printed Name Miriam T. Reed  
My appointment expires Oct 17, 2007