

MRD 5-25-99

05-28-1999

FORM PTO-1595 (modified)  
(Rev. 6-93)

RECORDATION FOR  
PATENT



DEPARTMENT OF COMMERCE

101050389

Patent and Trademark

Office OMB No. 0651-0011 (exp. 4/94)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <b>Marc C. Albertsen, John Howard, Sheila Maddock</b></p> <p>Additional name(s) of conveying party(ies) attached? </p>	<p>2. Name and address of receiving party(ies): Name: <u>Pioneer Hi-Bred International, Inc.</u> Internal Address: <u>700 Capital Square</u> Street Address: <u>400 Locust Street</u> City: <u>Des Moines</u>, State: <u>IA</u> ZIP: <u>50309</u></p> <p>Additional name(s) &amp; address(es) attached?</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Security Agreement <input type="checkbox"/> Other Execution Date:</p> <p><input type="checkbox"/> Merger <input type="checkbox"/> Change of Name</p>	

4. Application number(s) or patent number(s):  
If this document is being filed together with a new application, the execution date of the application is:

<p>A. Patent Application No.(s) <b>08/893,049 filed July 14, 1997</b></p>	<p>B. Patent No.(s)</p>
---	-------------------------

Additional numbers attached?

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Foley &amp; Lardner/Stephen A. Bent</u></p> <p>Internal Address: <u>Suite 500</u></p> <p>Street Address: <u>3000 K Street, N.W.</u></p> <p>City: <u>Washington</u>, State: <u>DC</u> ZIP: <u>20007-5109</u></p>	<p>6. Total number of applications and patents involved:</p> <p>1</p>
--	---

7. Total fee (37 C.F.R. § 3.41). . . . . \$40.00  
 Enclosed  
Authorized to be charged to deposit account

<p>05/27/1999 JSHABAZZ 00000039 08893049 01 FC:581 40.00 00</p>	<p>8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)</p>
---	---

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.*

<p>for <u>Stephen A. Bent</u> <i>by B. Saxe</i> Name of Person Signing</p>	<p><i>[Signature]</i> Signature</p>	<p><u>May 24, 1999</u> Date</p>
--	---	-------------------------------------

**Total number of pages including cover sheet, attachments, and document: 3**

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

# ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Pioneer Hi-Bred International  
700 Capital Square  
400 Locust Street  
Des Moines, Iowa 50309

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

## INDUCTION OF MALE STERILITY IN PLANTS BY EXPRESSION OF HIGH LEVELS OF AVIDIN

as set forth in his United States Patent Application

— executed concurrently herewith  
executed on  
 Serial No. 08/893,049 filed July 14, 1997

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 and Letters Patent.

The undersigned hereby grant the firm of FOLEY & LARDNER 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.

### NAMES AND SIGNATURES OF INVENTORS

Name: Marc C. Albertsen	Signature:	Date:
Name: John Howard	Signature: <i>[Signature]</i>	Date: 5-7-99
Name: Sheila Maddock	Signature:	Date:

### NAMES AND SIGNATURES OF WITNESSES

Name: <i>Joseph J. Ka</i>	Signature: <i>[Signature]</i>	Date: 5-8-99
Name: <i>Lisa Baker</i>	Signature: <i>[Signature]</i>	Date: 5-7-99

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

IPT-407.4/9C(1)(modified)

# ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Pioneer Hi-Bred International  
700 Capital Square  
400 Locust Street  
Des Moines, Iowa 50309

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

## INDUCTION OF MALE STERILITY IN PLANTS BY EXPRESSION OF HIGH LEVELS OF AVIDIN

as set forth in his United States Patent Application

— executed concurrently herewith  
executed on

Serial No. 08/893,049 filed July 14, 1997

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 and Letters Patent.

The undersigned hereby grant the firm of FOLEY & LARDNER 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.

### NAMES AND SIGNATURES OF INVENTORS

Name: Marc C. Albertsen	Signature: <i>Marc C. Albertsen</i>	Date: 5/4/99
Name: John Howard	Signature:	Date:
Name: Sheila Maddock	Signature:	Date:

### NAMES AND SIGNATURES OF WITNESSES

Name: <i>D. Dobrowicz</i>	Signature: <i>D. Dobrowicz</i>	Date: 5/4/99
Name: <i>Patricia Sweeney</i>	Signature: <i>Patricia Sweeney</i>	Date: 5/4/99

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.

IPT-407:4/90(1)(modified)

# ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**Pioneer Hi-Bred International  
700 Capital Square  
400 Locust Street  
Des Moines, Iowa 50309**

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

## INDUCTION OF MALE STERILITY IN PLANTS BY EXPRESSION OF HIGH LEVELS OF AVIDIN

as set forth in his United States Patent Application

— executed concurrently herewith

executed on

Serial No. 08/893,049 filed July 14, 1997

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 and Letters Patent.

The undersigned hereby grant the firm of FOLEY & LARDNER 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.

### NAMES AND SIGNATURES OF INVENTORS

Name: Marc C. Albertsen	Signature:	Date:
Name: John Howard	Signature:	Date:
Name: Sheila Maddock	Signature: <i>Sheila Maddock</i>	Date: <i>6th May 1999</i>

### NAMES AND SIGNATURES OF WITNESSES

Name: <i>Patricia M. Hill</i>	Signature: <i>Patricia M. Hill</i>	Date: <i>05-06-99</i>
Name: <i>Laura A. Church</i>	Signature: <i>Laura A. Church</i>	Date: <i>5/6/1999</i>

Note: Prima facie evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.