

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Marc Albertsen</td><td>08/07/2007</td></tr><tr><td>Tim Fox</td><td>08/07/2007</td></tr><tr><td>Yongzhong Wu</td><td>08/07/2007</td></tr><tr><td>Keith Lowe</td><td>08/07/2007</td></tr><tr><td>Mary Trimnell</td><td>08/07/2007</td></tr></tbody></table>	Name	Execution Date	Marc Albertsen	08/07/2007	Tim Fox	08/07/2007	Yongzhong Wu	08/07/2007	Keith Lowe	08/07/2007	Mary Trimnell	08/07/2007	
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Keith Lowe	08/07/2007												
Mary Trimnell	08/07/2007												
RECEIVING PARTY DATA													
Name:	Pioneer Hi-Bred International, Inc.												
Street Address:	7100 NW 62nd Ave.												
Internal Address:	PO Box 1014												
City:	Johnston												
State/Country:	IOWA												
Postal Code:	50131												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11833385</td></tr></tbody></table>	Property Type	Number	Application Number:	11833385									
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CORRESPONDENCE DATA													
Fax Number:	(515)267-0556												
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ATTORNEY DOCKET NUMBER:	2597												
NAME OF SUBMITTER:	Patricia A. Sweeney												

CH \$40.00 11833385

PATENT

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REEL: 019802 FRAME: 0025

Total Attachments: 6

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PATENT

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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, Inc.
7100 NW 62nd Avenue
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Johnston, IA 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 invention in "MSCA1 NUCLEOTIDE SEQUENCES IMPACTING PLANT MALE FERTILITY AND METHOD OF USING SAME"

as set forth in his United States Patent Application

_____ executed concurrently herewith
_____ executed on _____
X Serial No. 11/833,385 filed August 3, 2007

said application for United States Letters Patent, including all prior provisional applications, 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.

NAMES AND SIGNATURES OF INVENTORS		
Name: Marc Albertsen	Signature: <i>Marc C. Albertsen</i>	Date: <i>7 Aug 2007</i>
Name: Tim Fox	Signature:	Date:
Name: Mary Trimmell	Signature:	Date:
Name: Yongzhong Wu	Signature:	Date:
Name: Keith Lowe	Signature:	Date:
NAMES AND SIGNATURES OF WITNESSES		
Name: <i>Alice Rindergast</i>	Signature: <i>Alice Rindergast</i>	Date: <i>7 August 07</i>
Name: <i>Toni Farris</i>	Signature: <i>Toni Farris</i>	Date: <i>7 August 07</i>
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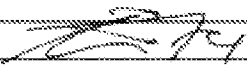
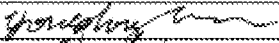
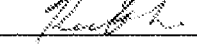
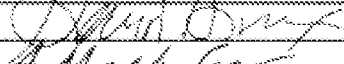
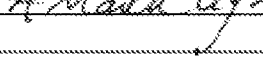
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Name: Marc Albertsen	Signature:	Date:
Name: Tim Fox	Signature: 	Date: 8/7/07
Name: Mary Trimmell	Signature:	Date:
Name: Yongzhong Wu	Signature: 	Date: 8/7/07
Name: Keith Lowe	Signature: 	Date: 8/7/07
NAMES AND SIGNATURES OF WITNESSES		
Name: Kevin Simcox	Signature: 	Date: 8/7/07
Name: A. Mack Cigan	Signature: 	Date: 8/7/07
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NAMES AND SIGNATURES OF WITNESSES		
Name: <i>Leslie A. White-Lorenc</i>	Signature: <i>Leslie A. White-Lorenc</i>	Date: 08-07-07
Name: <i>Delores D. Hodges</i>	Signature: <i>Delores D. Hodges</i>	Date: 8-7-07
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