



ATTORNEY-DOCKET NO. 1707 FORM PTO-1595 <div style="text-align: center; font-size: 1.5em; font-weight: bold;">1-30-04</div>		02-10-2004  102665807		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office			
To the Honorable Commissioner of Patents and Trademarks, U.S. Patent and Trademark Office, Washington, DC 20503							
1. Name of conveying party(ies): Lori Lisa Carrigan Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Pioneer Hi-Bred International, Inc. 800 Capital Square 400 Locust Street Des Moines, Iowa 50309 Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____							
Execution Date: January 21, 2004							
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: January 30, 2004 <table style="width: 100%;"> <tr> <td style="width: 50%; padding: 5px;"> A. Patent Application No.(s) 10768326 </td> <td style="width: 50%; padding: 5px;"> B. Patent No.(s) </td> </tr> </table> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						A. Patent Application No.(s) 10768326	B. Patent No.(s)
A. Patent Application No.(s) 10768326	B. Patent No.(s)						
5. Name and address of party to whom correspondence concerning document should be mailed: Steven Callistein Pioneer Hi-Bred International, Inc. Corporate Intellectual Property 7100 N.W. 62 nd Avenue P.O. Box 1000 Johnston, Iowa 50131-1000			6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account				
			8. Deposit account number: <u>16-1852</u> . (Attach a duplicate copy of this page if paying by deposit account)				
DO NOT USE THIS SPACE							
9. Statement and signature. <i>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.</i>							
Steven Callistein Name of Person Signing		 Signature		January 30, 2004 Date			

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

PATENT
REEL: 014952 FRAME: 0456

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

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 **"INBRED CORN LINE PH8WD"**

as set forth in this United States Patent Application

☒ executed concurrently herewith
☐ executed on
☐ Serial No. filed

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.

NAME AND SIGNATURE OF INVENTOR		
Name: Lori Lisa Carrigan	Signature: <i>Lori Lisa Carrigan</i>	Date: 1-21-2004
NAME AND SIGNATURE OF WITNESSES		
Name: Travis Palanqvost	Signature: <i>Travis Palanqvost</i>	Date: 1-21-2004
Name: Steven Mathison	Signature: <i>Steven Mathison</i>	Date: 1-21-2004