

08-22-2000



SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101438570

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

| | | | | |
|---|--|--|--------------------------------------|--------------------------------------|
| <p>1. Name of conveying party(ies): <u>M&D</u> <u>Louis Mailloux</u> <u>7.24.00</u></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. Name and address of receiving party(ies)</p> <p>Name: <u>Pioneer Hi-Bred International, Inc.</u></p> <p>Internal Address: _____</p> <p>_____</p> <p>Street Address: <u>7100 N.W. 62nd Avenue, P. O. Box</u> <u>P. O. Box 1000</u></p> <p>City: <u>Johnston</u> State: <u>Iowa</u> Zip: <u>50131-1000</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | | | |
| <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>July 4, 2000</u></p> | <p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p> <table style="width:100%;"> <tr> <td style="width:50%;"> <p>A. Patent Application No.(s)</p> <p><u>09/529,830</u></p> </td> <td style="width:50%;"> <p>B. Patent No.(s)</p> <p>_____</p> </td> </tr> </table> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>A. Patent Application No.(s)</p> <p><u>09/529,830</u></p> | <p>B. Patent No.(s)</p> <p>_____</p> | |
| <p>A. Patent Application No.(s)</p> <p><u>09/529,830</u></p> | <p>B. Patent No.(s)</p> <p>_____</p> | | | |
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Mark D. Hansing, Esq.</u></p> <p>Internal Address: <u>Suite 3200</u></p> <p>_____</p> <p>Street Address: <u>801 Grand Avenue</u></p> <p>City: <u>Des Moines</u> State: <u>Iowa</u> Zip: <u>50309</u></p> | <p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. <input type="checkbox"/> Charge deposit account number: <u>26-0084</u></p> <p>(Attach duplicate copy of this page if paying by deposit account)</p> | | | |
| <p>08/21/2000 MTHA11 00000231 09529830</p> <p>01 FC:581 40.00 OP</p> <p style="text-align: center;">DO NOT USE THIS SPACE</p> | | | | |
| <p>9. Statement and signature.</p> <p><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></p> <table style="width:100%;"> <tr> <td style="width:35%;"> <p><u>Mark D. Hansing, Esq., Reg. No. 30,643</u></p> <p>Name of Person Signing</p> </td> <td style="width:35%; text-align: center;"> <p></p> <p>Signature</p> </td> <td style="width:30%; text-align: center;"> <p><u>07/17/2000</u></p> <p>Date</p> </td> </tr> </table> <p style="text-align: right;">Total number of pages including cover sheet, attachments, and document: 3</p> | | <p><u>Mark D. Hansing, Esq., Reg. No. 30,643</u></p> <p>Name of Person Signing</p> | <p></p> <p>Signature</p> | <p><u>07/17/2000</u></p> <p>Date</p> |
| <p><u>Mark D. Hansing, Esq., Reg. No. 30,643</u></p> <p>Name of Person Signing</p> | <p></p> <p>Signature</p> | <p><u>07/17/2000</u></p> <p>Date</p> | | |

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, Inc.,
7100 NW 62nd Avenue
P.O. Box 1000
Johnston, Iowa 50131-1000

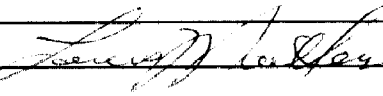
its successors and assigns, the entire right, title and interest so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention entitled METHOD FOR SORTING AND CATEGORIZING SEED as set forth in his United States Patent Application

_____ executed concurrently herewith
_____ executed on _____
XX Serial No. 09/529,830 filed April 19, 2000

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 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 invention, 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: Louis Mailloux | Signature:  | Date: July 4/2000 |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| NAMES AND SIGNATURES OF WITNESSES | | |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |

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.