

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>Xiaoming Bao</td> <td>01/30/2006</td> </tr> <tr> <td>George W. Singletary</td> <td>01/30/2006</td> </tr> <tr> <td>Deborah J. Wetterberg</td> <td>01/30/2006</td> </tr> <tr> <td>Ramesh Nair</td> <td>02/24/2006</td> </tr> <tr> <td>Kanwarpal S. Dhugga</td> <td>02/03/2006</td> </tr> <tr> <td>Matthias Liebergesell</td> <td>01/30/2006</td> </tr> <tr> <td>David A. Selinger</td> <td>01/30/2006</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoming Bao	01/30/2006	George W. Singletary	01/30/2006	Deborah J. Wetterberg	01/30/2006	Ramesh Nair	02/24/2006	Kanwarpal S. Dhugga	02/03/2006	Matthias Liebergesell	01/30/2006	David A. Selinger	01/30/2006
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<table border="1"> <tr> <td>Name:</td> <td>Pioneer Hi-Bred International, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>7100 NW 62nd Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>P.O. Box 1014</td> </tr> <tr> <td>City:</td> <td>Johnston</td> </tr> <tr> <td>State/Country:</td> <td>IOWA</td> </tr> <tr> <td>Postal Code:</td> <td>50131-1014</td> </tr> </table>		Name:	Pioneer Hi-Bred International, Inc.	Street Address:	7100 NW 62nd Avenue	Internal Address:	P.O. Box 1014	City:	Johnston	State/Country:	IOWA	Postal Code:	50131-1014				
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CORRESPONDENCE DATA																	
Fax Number:	5155356883																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone:	515-535-0060																
Email:	jamie.zortman@pioneer.com																
Correspondent Name:	S. Christopher Bauer																
Address Line 1:	7250 NW 62nd Avenue																
Address Line 2:	P.O. Box 552																
Address Line 4:	Johnston, IOWA 50131-0552																

CH \$40.00 13614800

ATTORNEY DOCKET NUMBER:	1519CDD
NAME OF SUBMITTER:	S. Christopher Bauer
Total Attachments: 8 source=1519CDD_Assignment#page1.tif source=1519CDD_Assignment#page2.tif source=1519CDD_Assignment#page3.tif source=1519CDD_Assignment#page4.tif source=1519CDD_Assignment#page5.tif source=1519CDD_Assignment#page6.tif source=1519CDD_Assignment#page7.tif source=1519CDD_Assignment#page8.tif	

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.
7100 NW 62nd Avenue
P.O. Box 1014
Johnston, Iowa 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 "**UDP-Xylose Synthases (UXS) Polynucleotides, Polypeptides and Uses Thereof**"

as set forth in this United States Patent Application

- executed concurrently herewith
- executed on February 24, 2006
- Serial No. 60/755,253 filed December 30, 2005

said Application including all provisional, non-provisional, 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.

1/30/06
Date

Xiaoming Bao
Xiaoming Bao

State of Iowa)

County of Polk)

ss.

I certify that I know or have satisfactory evidence that Xiaoming Bao 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 1-30-2006

Signature of Notary Public Sharon Biller

Printed Name Sharon Biller

My appointment expires 7-19-2007



1-30-06
Date

George W. Singletary
George W. Singletary

State of Iowa)

County of Polk)

ss.

I certify that I know or have satisfactory evidence that George W. Singletary 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 1-30-2006

Signature of Notary Public Sharon Biller

Printed Name Sharon Biller

My appointment expires 7-19-2007



1/30/06
Date

Deborah J. Wetterberg
Deborah J. Wetterberg

State of Iowa)

County of Polk)

ss.

I certify that I know or have satisfactory evidence that Deborah J. Wetterberg 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 1-30-2006

Signature of Notary Public *Sharon Biller*

Printed Name SHARON BILLER

My appointment expires 7-19-2007

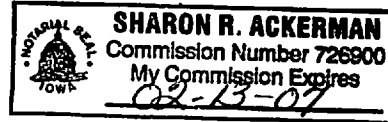


02-24-2006.
Date

Ramesh Nair
Ramesh Nair

State of Iowa)
County of POLK STORY)

SS.



I certify that I know or have satisfactory evidence that Ramesh Nair 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 02/24/06

Signature of Notary Public *Sharon R. Ackerman*

Printed Name Sharon R. Ackerman

My appointment expires 02/13/07

3 Feb. 2006
Date

Kanwarpal S. Dhugga
Kanwarpal S. Dhugga

State of Iowa)
County of Polk) ss.

I certify that I know or have satisfactory evidence that Kanwarpal S. Dhugga 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 2-3-2006



Signature of Notary Public Sharon A. Biller

Printed Name Sharon A. Biller

My appointment expires 7-19-2007

1-30-06
Date

[Signature]
Matthias Liebergesell

State of Iowa)

County of Polk)

ss.

I certify that I know or have satisfactory evidence that Matthias Liebergesell 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 1-30-2006



Signature of Notary Public *Sharon Biller*

Printed Name SHARON BILLER

My appointment expires 7-19-2007

1/30/2006
Date

David A. Selinger
David A. Selinger

State of Iowa)

County of Polk)

ss.

I certify that I know or have satisfactory evidence that David A. Selinger 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 1-30-2006



Signature of Notary Public *Sharon Biller*

Printed Name Sharon Biller

My appointment expires 7-19-2007