

## PATENT ASSIGNMENT COVER SHEET

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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>BLAINE EARL JOHNSON</td> <td>12/18/2013</td> </tr> <tr> <td>THOMAS CHARLES BARKER</td> <td>12/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	BLAINE EARL JOHNSON	12/18/2013	THOMAS CHARLES BARKER	12/18/2013
Name	Execution Date						
BLAINE EARL JOHNSON	12/18/2013						
THOMAS CHARLES BARKER	12/18/2013						
RECEIVING PARTY DATA							
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						
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>14148764</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14148764		
Property Type	Number						
Application Number:	14148764						
CORRESPONDENCE DATA							
Fax Number:	(515)535-6883						
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ATTORNEY DOCKET NUMBER:	5779-US-NP						
NAME OF SUBMITTER:	MARIAN T. FLATTERY						
Signature:	/Marian T. Flattery/						

Date:

02/24/2014

**Total Attachments: 3**

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**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 62<sup>nd</sup> 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 Maize Inbred PH1V5D,

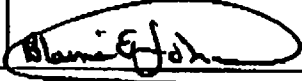
as set forth in this United States Patent Application

- executed concurrently herewith
- executed on
- Serial No. 14/148,764 filed January 07, 2014,

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.

<b>NAME AND SIGNATURE OF INVENTOR</b>		
Name:	Signature:	Date:
<b>Blaine Earl Johnson</b>		<b>18 Dec 2013</b>

<b>NAME AND SIGNATURE OF INVENTOR</b>		
Name:	Signature:	Date:
<b>Thomas Charles Barker</b>	<i>Thomas C. Barker</i>	12/18/2013