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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAREN E. BROGLIE	04/09/2008
KARLENE H. BUTLER	04/09/2008

RECEIVING PARTY DATA

Name:	E. I. DU PONT DE NEMOURS AND COMPANY
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Internal Address:	974 CENTRE ROAD, P.O. BOX 2915
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19805

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12139039

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	2589-US
NAME OF SUBMITTER:	JAMES E. BECKER
SIGNATURE:	/James E. Becker/
DATE SIGNED:	06/29/2018

Total Attachments: 3

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PATENT REEL: 046236 FRAME: 0663 504983865

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

E.I. du PONT de NEMOURS and COMPANY 1007 Market Street Wilmington, Delaware 19898

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 "Polynucleotides and methods for making plants resistant to fungal pathogens"

as set forth in this United States Patent Application

executed concurrently herewith
executed on
Serial No. 60/944,209 filed 06/15/2007

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

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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.

4/9/18		Harry C. Broslin	
Date / /		Karen E. Broglie	
State of <u>Delawan</u> County of <u>New Castle</u>	ss.		

I certify that I know or have satisfactory evidence that Karen E. Broglie 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 4/9/08	
Signature of Notary Public Carel	a Purse
Printed Name <u>Carol</u>	
My appointment expires _	11/30/2010

CAROL A. PURSE
NOTARY PUBLIC
STATE OF DELAWARE
My Commission Expires Nov. 30, 2010

4/9/08 Date	Karlene H. Butler
State of Delaware	
County of New Castl	(Le) ss.
is the person who appeared	ow or have satisfactory evidence that Karlene H. Butler is before me and said person acknowledged that he eknowledged it to be his free and voluntary act for the d in the instrument.
	Dated 4/9/08
	Signature of Carol a. Purse
	Printed Name Carol A. Purse
	My appointment expires Nau 30 2010

CAROL A. PURSE NOTARY PUBLIC STATE OF DELAWARE My Commission Expires Nov. 30, 2010