

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ARON LOUIS SILVERSTONE	12/15/2009
	YAN ZHANG	12/16/2009
RECEIVING PARTY DATA		
Name:	SYNGENTA PARTICIPATIONS AG	
Street Address:	SCHWARZWALDALLEE 215	
City:	BASEL	
State/Country:	SWITZERLAND	
Postal Code:	4058	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16157538
CORRESPONDENCE DATA		
Fax Number:		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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Address Line 2:	INTELLECTUAL PROPERTY	
Address Line 4:	SAN DIEGO, CALIFORNIA 92121	
ATTORNEY DOCKET NUMBER:	160962US05 - INVS-SYN	
NAME OF SUBMITTER:	RICK DE LA TORRE	
SIGNATURE:	/Rick de la Torre/	
DATE SIGNED:	10/11/2018	
Total Attachments: 2		
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ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt of and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Syngenta Participations AG
Schwarzwaldallee 215
CH-4058 Basel
SWITZERLAND

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 "AMYLASES, NUCLEIC ACIDS ENCODING THEM AND METHODS FOR MAKING AND USING THEM", filed in a competent PCT receiving office as International Application Number PCT/US2007/088631 on December 21, 2007 and filed in the U.S. Patent and Trademark Office as US National Stage under 35 USC 371 on June 19, 2009, U.S. Ser. No. 12/520,523.

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, 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 or 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 to 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, declarations, 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 embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or

desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as December 21, 2007 (the earliest priority date).

12/15/09
Date
12/16/09
Date

Aron Louis Silverstone

Yan Zhang

STATE OF NORTH CAROLINA
COUNTY OF DURHAM

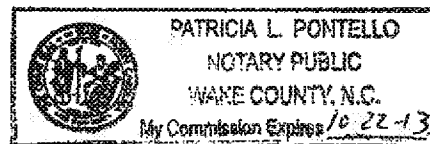
I, Patricia L. Pontello, a Notary Public for said County and State, do hereby certify that Aron Louis Silverstone personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal this 15th day of December, 2009.

(Official Seal)

Patricia L. Pontello
Notary Public

My Commission expires 10-22-13



STATE OF NORTH CAROLINA
COUNTY OF DURHAM

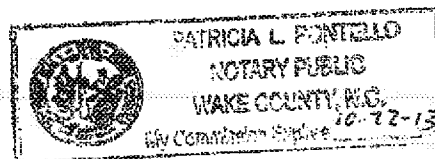
I, Patricia L. Pontello, a Notary Public for said County and State, do hereby certify that Yan Zhang personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal this 16th day of December, 2009.

(Official Seal)

Patricia L. Pontello
Notary Public

My Commission expires 10-22-13



Attorney Docket No.: 71421