

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3727954

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZHONGYING CHEN	02/01/2016
MYOUNG KIM	02/03/2016
MARY-DELL CHILTON	02/01/2016
HENG ZHONG	02/04/2016
WEINING GU	02/01/2016
YAPING JIANG	02/04/2016
QIUDENG QUE	02/01/2016
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:	14974247
CORRESPONDENCE DATA	
Fax Number:	(919)226-7458
<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>	
Phone:	9192817445
Email:	global.patents@syngenta.com
Correspondent Name:	YOSHIMI D. BARRON
Address Line 1:	3054 E. CORNWALLIS ROAD
Address Line 4:	DURHAM, NORTH CAROLINA 27709
ATTORNEY DOCKET NUMBER:	80484-US-REG-ORG-NAT-1
NAME OF SUBMITTER:	MELISSA HARDY
SIGNATURE:	/MELISSA HARDY/
DATE SIGNED:	02/05/2016

Total Attachments: 11

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**ASSIGNMENT –
PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

CHEN, Zhongying
3054 E. Cornwallis Rd
Research Triangle Park, NC 27709
United States

KIM, Myoung
3054 E. Cornwallis Rd.
Research Triangle Park, NC 27709
United States

CHILTON, Mary-Dell
3054 E. Cornwallis Rd
Research Triangle Park, NC 27709
United States

ZHONG, Heng
3054 E. Cornwallis Rd
Research Triangle Park, NC 27709
United States

GU, Weining
3054 E. Cornwallis Rd
Research Triangle Park, NC 27709
United States

JIANG, Yaping
3054 E. Cornwallis Rd
Research Triangle Park, NC 27709
United States

QUE, Qiudeng
3054 E. Cornwallis Rd
Research Triangle Park, NC 27709
United States

has sold and assigned, and by this document hereby sells and assigns, unto

**SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 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 and including members of the Patent Cooperation Treaty (PCT) in and to

(1) all inventions and discoveries described in Syngenta Patent Family **80484**

including those described in **METHODS AND COMPOSITIONS FOR IDENTIFYING AND ENRICHING FOR CELLS COMPRISING SITE SPECIFIC GENOMIC MODIFICATIONS**, and including, but not limited to, the following filings:

Country / Application Number / Filing Date
US / 14/974,247 / December 18, 2015

(2) said invention and provisional and/or priority application and in and to any and all subsequent patent applications which claim the benefit of priority from said provisional and/or priority application including regular utility, continuations, and continuations-in-part, or divisions thereof;

(3) said invention in and to any said patent application for United States Letters Patent(s) and foreign countries relating to all patent application(s) filed in respect of the invention, including all divisional, renewal, substitute, reissues, continuation, non-provisional(s), International Patent Application(s);

(4) all national phase patent applications of said International Patent Application(s);

(5) all continuations (including continuation-in-parts, Convention applications, divisions of all of said patent application(s) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(5) hereinafter referred to collectively as "patent applications");

(6) all patents that are granted on any of said patent applications;

(7) all registrations and confirmations of and importation certificates based on one or more of said patents;

(8) all substitutes, reissues, renewals and extensions of said patents, reexamination certificates issued for said patents and supplementary protection certificates 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 on said patents;

(9) every priority right and right to claim priority that is or may be predicated upon or arise from said inventions, said patent applications and said patents;

said Assignee being hereby authorized to file patent applications in any or all countries to 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 any international patent treaty (e.g. Patent Cooperation Treaty, Paris Convention, etc.) or otherwise; all Patent Offices (U.S. and foreign) being hereby authorized to issue or transfer all said patents 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 patents 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 patents.

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 any Patent and Trademark Office for recordation of this Assignment.

Inventor's name and signature /
Inventors' names and signatures
& Date of signing

Signature

CHEN
CHEN, Zhongying

Date:

2/11/2016

State of:

North Carolina

County of:

Durham

I, Melissa Hardy, a Notary Public for said County and State, do hereby
certify that **CHEN, Zhongying** personally appeared before me this day, and
acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal this

15th

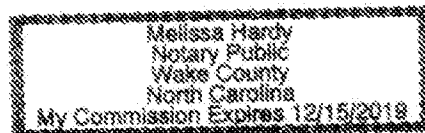
day of February, 2016.

(Official Seal)

Melissa Hardy

Notary Public

My commission expires: Dec. 15, 2019



Signature [Signature]
KIM, Myoung

Date: 2/3/2016

State of: NC

County of: Wake

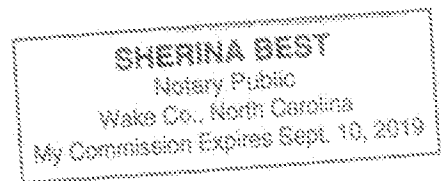
I, Sherina Best, a Notary Public for said County and State, do hereby certify that **KIM, Myoung** personally appeared before me this day, and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal this 3 day of Feb., 2016.

(Official Seal)

[Signature]
Notary Public

My commission expires: Sept. 10, 2019



Signature Mary-Dell Chilton
CHILTON, Mary-Dell

Date: 1 February 2016

State of: North Carolina

County of: Dartmouth

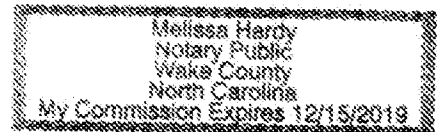
I, Melissa Hardy, a Notary Public for said County and State, do hereby certify that **CHILTON, Mary-Dell** personally appeared before me this day, and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal this 1st day of February, 2016.

(Official Seal)

Melissa Hardy
Notary Public

My commission expires: December 15, 2019



Signature *[Signature]*
ZHONG, Heng

Date: February 4, 2016

State of: North Carolina

County of: Durham

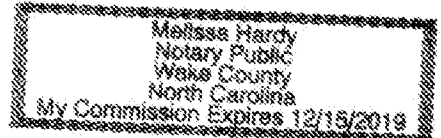
I, Melissa Hardy, a Notary Public for said County and State, do hereby
certify that **ZHONG, Heng** personally appeared before me this day, and acknowledge
the due execution of the foregoing instrument.

Witness my hand and official seal this 4th day of February, 2016.

(Official Seal)

[Signature]
Notary Public

My commission expires: December 15, 2019



Signature *GU, Weining*
GU, Weining

Date: *Feb 1, 2016*

State of: *North Carolina*

County of: *Durham*

I, *Melissa Hardy*, a Notary Public for said County and State, do hereby certify that **GU, Weining** personally appeared before me this day, and acknowledge the due execution of the foregoing instrument.

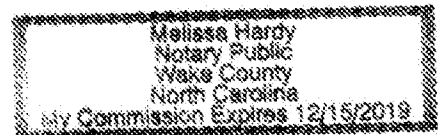
Witness my hand and official seal this *1st* day of *February*, 20*16*.

(Official Seal)

Melissa Hardy

Notary Public

My commission expires: *December 15, 2019*



Signature

Yaping Jiang
JIANG, Yaping

Date:

2/4/2016

State of:

North Carolina

County of:

Durham

I, Melissa Hardy, a Notary Public for said County and State, do hereby certify that **JIANG, Yaping** personally appeared before me this day, and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal this

4th

day of

February, 2016

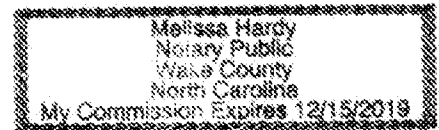
(Official Seal)

Melissa Hardy

Notary Public

My commission expires:

December 15, 2019



Signature

QUE, Qiudeng

Date:

1st February, 2016

State of:

North Carolina

County of:

Durham

I, Melissa Hardy, a Notary Public for said County and State, do hereby certify that **QUE, Qiudeng** personally appeared before me this day, and acknowledge the due execution of the foregoing instrument.

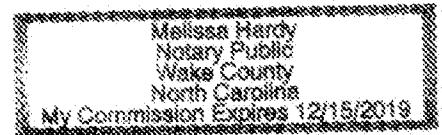
Witness my hand and official seal this 1st day of February, 2016.

(Official Seal)

Melissa Hardy

Notary Public

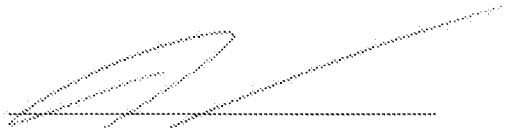
My commission expires: December 15, 2019



Applicant's signature / Applicants' signatures

SYNGENTA PARTICIPATIONS AG

Signature:



Printed Name:

Michael L. Price

Title:

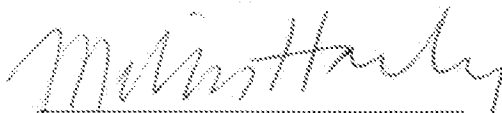
authorized signatory

Date:

4 FEB 2016

SYNGENTA PARTICIPATIONS AG

Signature:



Printed Name:

Melissa Hardy

Title:

Paralegal

Date:

February 4, 2016