

<b>PATENT ASSIGNMENT COVER SHEET</b>
--------------------------------------

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4508363

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHANYOU XU	05/17/2016
TRACY WILLIAM DOUBLER	05/17/2016
JU-KYUNG YU	05/17/2016
ANDERSON ROTTER MEDA	07/18/2016
BECKY WELSH BREITINGER	06/06/2016
HARIKRISHNAN RAMASUBRAMANIAM	05/10/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SYNGENTA PARTICIPATIONS AG
<b>Street Address:</b>	SCHWARZWALDALLEE 215
<b>City:</b>	BASEL
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	CH-4058
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15433264
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)281-5931
<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>	
<b>Phone:</b>	919.226.7339
<b>Email:</b>	global.patents@syngenta.com
<b>Correspondent Name:</b>	KEVIN MARKHAM
<b>Address Line 1:</b>	9 DAVIS DRIVE
<b>Address Line 4:</b>	RESEARCH TRIANGLE PA, NORTH CAROLINA 27709
<b>ATTORNEY DOCKET NUMBER:</b>	81000-US-REG-ORG-NAT-1
<b>NAME OF SUBMITTER:</b>	LYNN STENDLER
<b>SIGNATURE:</b>	/Lynn Stendler/
<b>DATE SIGNED:</b>	07/18/2017
<b>Total Attachments: 55</b>	

source=81000-US\_WWA\_Signed#page1.tif  
source=81000-US\_WWA\_Signed#page2.tif  
source=81000-US\_WWA\_Signed#page3.tif  
source=81000-US\_WWA\_Signed#page4.tif  
source=81000-US\_WWA\_Signed#page5.tif  
source=81000-US\_WWA\_Signed#page6.tif  
source=81000-US\_WWA\_Signed#page7.tif  
source=81000-US\_WWA\_Signed#page8.tif  
source=81000-US\_WWA\_Signed#page9.tif  
source=81000-US\_WWA\_Signed#page10.tif  
source=81000-US\_WWA\_Signed#page11.tif  
source=81000-US\_WWA\_Signed#page12.tif  
source=81000-US\_WWA\_Signed#page13.tif  
source=81000-US\_WWA\_Signed#page14.tif  
source=81000-US\_WWA\_Signed#page15.tif  
source=81000-US\_WWA\_Signed#page16.tif  
source=81000-US\_WWA\_Signed#page17.tif  
source=81000-US\_WWA\_Signed#page18.tif  
source=81000-US\_WWA\_Signed#page19.tif  
source=81000-US\_WWA\_Signed#page20.tif  
source=81000-US\_WWA\_Signed#page21.tif  
source=81000-US\_WWA\_Signed#page22.tif  
source=81000-US\_WWA\_Signed#page23.tif  
source=81000-US\_WWA\_Signed#page24.tif  
source=81000-US\_WWA\_Signed#page25.tif  
source=81000-US\_WWA\_Signed#page26.tif  
source=81000-US\_WWA\_Signed#page27.tif  
source=81000-US\_WWA\_Signed#page28.tif  
source=81000-US\_WWA\_Signed#page29.tif  
source=81000-US\_WWA\_Signed#page30.tif  
source=81000-US\_WWA\_Signed#page31.tif  
source=81000-US\_WWA\_Signed#page32.tif  
source=81000-US\_WWA\_Signed#page33.tif  
source=81000-US\_WWA\_Signed#page34.tif  
source=81000-US\_WWA\_Signed#page35.tif  
source=81000-US\_WWA\_Signed#page36.tif  
source=81000-US\_WWA\_Signed#page37.tif  
source=81000-US\_WWA\_Signed#page38.tif  
source=81000-US\_WWA\_Signed#page39.tif  
source=81000-US\_WWA\_Signed#page40.tif  
source=81000-US\_WWA\_Signed#page41.tif  
source=81000-US\_WWA\_Signed#page42.tif  
source=81000-US\_WWA\_Signed#page43.tif  
source=81000-US\_WWA\_Signed#page44.tif  
source=81000-US\_WWA\_Signed#page45.tif  
source=81000-US\_WWA\_Signed#page46.tif  
source=81000-US\_WWA\_Signed#page47.tif  
source=81000-US\_WWA\_Signed#page48.tif

source=81000-US\_WWA\_Signed#page49.tif  
source=81000-US\_WWA\_Signed#page50.tif  
source=81000-US\_WWA\_Signed#page51.tif  
source=81000-US\_WWA\_Signed#page52.tif  
source=81000-US\_WWA\_Signed#page53.tif  
source=81000-US\_WWA\_Signed#page54.tif  
source=81000-US\_WWA\_Signed#page55.tif

<b>ASSIGNMENT – PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES</b>	<b>CESION – PRIORIDAD / EN TODO EL MUNDO / PAÍSES DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)</b>
<p>For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>	<p>Por una buena y valiosa contraprestación, cuyo recibo y cantidad suficiente se confirma por la presente,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>

<p>has sold and assigned, and by this document hereby sells and assigns, unto</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>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</p> <p>(1) all inventions and discoveries described in Syngenta Patent Family <b>81000</b></p> <p>including those described in <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b>, and including, but not limited to, the following filings:</p> <p>Country / Application Number / Filing Date <b>US Application No. 62/303618 / 04March2016</b></p> <p>(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;</p> <p>(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);</p> <p>(4) all national phase patent applications of said International Patent Application(s);</p> <p>(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");</p>	<p>ha(n) vendido y cedido, y por medio de lo presente, vende(n) y cede(n) por la presente a</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>sus sucesoras y cesionarias, el derecho, título e interés completos, por lo que respecta a los Estados Unidos y sus territorios y posesiones y a todos los países extranjeros e incluso los miembros del Tratado de Cooperación en Materia de Patentes (PCT) en y sobre</p> <p>(1) todas las invenciones y descubrimientos descritos en la familia de patentes de Syngenta <b>81000</b></p> <p>incluso aquellos descritos en <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b> e incluidas, pero no limitadas, las siguientes solicitudes:</p> <p>País / Número de Solicitud / Fecha de Presentación <b>US Application No. 62/303618 / 04March2016</b></p> <p>(2) dicha invención y solicitud provisional y/o de prioridad en y sobre todas y cada una de las solicitudes de patente posteriores que reivindiquen el beneficio de prioridad de dicha solicitud provisional y/o de prioridad, incluso la utilidad regular, continuaciones y continuaciones en parte, o divisiones de estas;</p> <p>(3) dicha invención en y sobre cualquier solicitud de patente mencionada para la(s) patente(s) de los Estados Unidos y países extranjeros relacionadas con todas las solicitudes de patente presentadas respecto a la invención, incluso todas las solicitudes de patente internacional, no provisionales, continuaciones, nuevas emisiones, sustituciones, renovaciones y divisiones;</p> <p>(4) todas las solicitudes de fase nacional de dicha(s) solicitud(es) de patente internacional;</p> <p>(5) todas las continuaciones (incluso continuación en partes), solicitudes de convención y divisiones de todas las solicitudes de patente mencionadas (incluso demás continuaciones y divisiones, tales como, pero no limitadas a, continuaciones de continuaciones y continuaciones de divisiones), ((2)-(5) más adelante llamadas colectivamente "solicitudes de patente");</p>
--	--

(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

(6) todas las patentes que se conceden sobre cualquiera de dichas solicitudes de patente;

(7) todos los registros y confirmaciones de, o certificados de importación en base de una o más de dichas patentes;

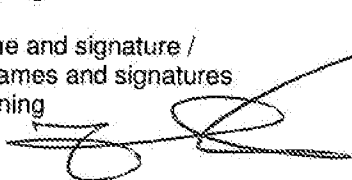

(8) todas las sustituciones, nuevas emisiones, renovaciones y extensiones de dichas patentes, certificados de re-examinación emitidos para dichas patentes y certificados de protección complementaria basándose por completo o en parte en dichas invenciones o en dichas solicitudes, y todas y cada una de las patentes y nuevas emisiones, re-examinaciones y extensiones de la patente concedidas a dichos inventores o en dichas solicitudes y en dichas patentes;

(9) cada derecho prioritario basado o que se pueda basar en o que surge de dichas invenciones, dichas solicitudes de patentes y dichas patentes;



autorizando a dicha Cesionaria para que presente solicitudes de patente en cualquier o todos los países o cualquier o todas dichas invenciones en nombre del abajo firmante o en nombre de dicha Cesionaria o de otra forma según pueda considerar aconsejable dicha Cesionaria, bajo cualquier tratado de patente internacional (p. ej., el Tratado de Cooperación en Materia de Patentes, la Convención de París, etc.) o de otra forma; autorizando por la presente a todas las Oficinas de Patentes (de los Estados Unidos y extranjeras) para que emitan o transfieran todas dichas patentes a dicha Cesionaria de acuerdo con la presente;

estando esta cesión bajo el acuerdo, no solo de que el abajo firmante posea el poder completo para ejecutarla, sino que también dicho derecho cedido no se vea afectado por ninguna concesión, licencia ni otro derecho concedido hasta entonces, y que el abajo firmante actuará razonablemente, a todos los efectos, para garantizar que dichas invenciones, solicitudes de patente y patentes sean conservadas y disfrutadas por dicha Cesionaria tan completa y enteramente como si estas hubieran sido conservadas y disfrutadas por el abajo firmante si esta cesión no se hubiera llevado a cabo, y particularmente para ejecutar y proporcionar a dicha Cesionaria todos los documentos legales, incluso peticiones, especificaciones, juramentos, cesiones, renunciaciones de invención, declaraciones y actas notariales legales en forma y sustancia que puedan ser requeridas por dicha Cesionaria, para proporcionar

<p>exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.</p>	<p>a dicha Cesionaria todos los hechos relacionados con dichas invenciones o su historial y todos y cada uno de los documentos, fotografías, modelos, muestras u otras exhibiciones físicas que puedan representar dichas invenciones, y para testificar en cualesquiera procedimientos relacionados con dichas invenciones, solicitudes de patente y/o patentes.</p>
<p>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.</p>	<p>Por la presente, el (los) abajo firmante(s) concede(n) a un representante autorizado de la Cesionaria la facultad para que inserte en la presente Cesión cualquier identificación adicional que sea necesaria o deseable para cumplir las normas de cualquier Oficina de Patentes para la inscripción de la presente Cesión.</p>
<p><b>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</b></p>	<p><b>Nombre y firma del Inventor / Nombres y firmas de los Inventores y Fecha</b></p>
<p><b>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</b></p>	<p><b>Nombre y firma del Testigo / Nombres y firmas de los Testigos y Fecha</b></p>

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p>  <p>Signature: _____ Zhanyou XU</p> <p>Date: <u>5-17-16</u></p>  <p>Witness signature AZHAGUVEL PERUMAL</p> <p>Witness printed name <u>MAY-17-2016</u></p> <p>Date</p>	
--	--



<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature:  Tracy William DOUBLER</p> <p>Date: <u>5/17/16</u></p>  <p></p> <p>Witness signature Zhanyou Xu</p> <p>Witness printed name <u>05-17-16</u></p> <p>Date</p>	
---	--

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature: \_\_\_\_\_  
Anderson Rotter MEDA

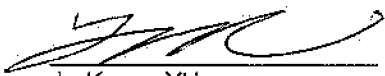

Date: \_\_\_\_\_

\_\_\_\_\_  
Witness signature


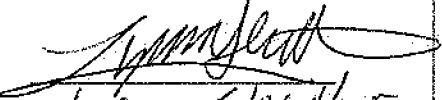
\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Date

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Becky Welsh BREITINGER</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: <u></u> Ju-Kyung YU</p> <p>Date: <u>05/17/2016</u></p> <p><u></u> Witness signature</p> <p><u>KEI SU</u> Witness printed name</p> <p><u>05/17/2016</u> Date</p>	
---	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Harikrishnan RAMASUBRAMANIAM</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

Applicant(s) / Signature	Solicitante(s) / Firma
<p>SYNGENTA PARTICIPATIONS AG</p> <p>Signature: <u></u></p> <p>Printed Name: <u>Kevin Markham</u></p> <p>Title: <u>Patent Attorney</u></p> <p>Date: <u>July 19 2016</u></p>	<p>SYNGENTA PARTICIPATIONS AG</p> <p>Por:</p> <p>Nombre:</p> <p>Cargo:</p> <p>Fecha:</p>
<p>SYNGENTA PARTICIPATIONS AG</p> <p>Signature: <u></u></p> <p>Printed Name: <u>Lynn Stendler</u></p> <p>Title: <u>Paralegal</u></p> <p>Date: <u>July 19, 2016</u></p>	<p>SYNGENTA PARTICIPATIONS AG</p> <p>Por:</p> <p>Nombre:</p> <p>Cargo:</p> <p>Fecha:</p>

<b>ASSIGNMENT – PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES</b>	<b>CESIÓN – PRIORIDAD / EN TODO EL MUNDO / PAÍSES DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)</b>
<p>For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>	<p>Por una buena y valiosa contraprestación, cuyo recibo y cantidad suficiente se confirma por la presente,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>

<p>has sold and assigned, and by this document hereby sells and assigns, unto</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>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</p> <p>(1) all inventions and discoveries described in Syngenta Patent Family <b>81000</b></p> <p>including those described in <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b>, and including, but not limited to, the following filings:</p> <p>Country / Application Number / Filing Date <b>US Application No. 62/303618 / 04March2016</b></p> <p>(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;</p> <p>(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);</p> <p>(4) all national phase patent applications of said International Patent Application(s);</p> <p>(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");</p>	<p>ha(n) vendido y cedido, y por medio de lo presente, vende(n) y cede(n) por la presente a</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>sus sucesoras y cesionarias, el derecho, título e interés completos, por lo que respecta a los Estados Unidos y sus territorios y posesiones y a todos los países extranjeros e incluso los miembros del Tratado de Cooperación en Materia de Patentes (PCT) en y sobre</p> <p>(1) todas las invenciones y descubrimientos descritos en la familia de patentes de Syngenta <b>81000</b></p> <p>incluso aquellos descritos en <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b> e incluidas, pero no limitadas, las siguientes solicitudes:</p> <p>País / Número de Solicitud / Fecha de Presentación <b>US Application No. 62/303618 / 04March2016</b></p> <p>(2) dicha invención y solicitud provisional y/o de prioridad en y sobre todas y cada una de las solicitudes de patente posteriores que reivindiquen el beneficio de prioridad de dicha solicitud provisional y/o de prioridad, incluso la utilidad regular, continuaciones y continuaciones en parte, o divisiones de estas;</p> <p>(3) dicha invención en y sobre cualquier solicitud de patente mencionada para la(s) patente(s) de los Estados Unidos y países extranjeros relacionadas con todas las solicitudes de patente presentadas respecto a la invención, incluso todas las solicitudes de patente internacional, no provisionales, continuaciones, nuevas emisiones, sustituciones, renovaciones y divisiones;</p> <p>(4) todas las solicitudes de fase nacional de dicha(s) solicitud(es) de patente internacional;</p> <p>(5) todas las continuaciones (incluso continuación en partes), solicitudes de convención y divisiones de todas las solicitudes de patente mencionadas (incluso demás continuaciones y divisiones, tales como, pero no limitadas a, continuaciones de continuaciones y continuaciones de divisiones), ((2)-(5) más adelante llamadas colectivamente "solicitudes de patente");</p>
--	--



(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

(6) todas las patentes que se conceden sobre cualquiera de dichas solicitudes de patente;

(7) todos los registros y confirmaciones de, o certificados de importación en base de una o más de dichas patentes;

(8) todas las sustituciones, nuevas emisiones, renovaciones y extensiones de dichas patentes, certificados de re-examinación emitidos para dichas patentes y certificados de protección complementaria basándose por completo o en parte en dichas invenciones o en dichas solicitudes, y todas y cada una de las patentes y nuevas emisiones, re-examinaciones y extensiones de la patente concedidas a dichos inventores o en dichas solicitudes y en dichas patentes;

(9) cada derecho prioritario basado o que se pueda basar en o que surge de dichas invenciones, dichas solicitudes de patentes y dichas patentes;

autorizando a dicha Cesionaria para que presente solicitudes de patente en cualquier o todos los países o cualquier o todas dichas invenciones en nombre del abajo firmante o en nombre de dicha Cesionaria o de otra forma según pueda considerar aconsejable dicha Cesionaria, bajo cualquier tratado de patente internacional (p. ej., el Tratado de Cooperación en Materia de Patentes, la Convención de París, etc.) o de otra forma; autorizando por la presente a todas las Oficinas de Patentes (de los Estados Unidos y extranjerías) para que emitan o transfieran todas dichas patentes a dicha Cesionaria de acuerdo con la presente;

estando esta cesión bajo el acuerdo, no solo de que el abajo firmante posea el poder completo para ejecutarla, sino que también dicho derecho cedido no se vea afectado por ninguna concesión, licencia ni otro derecho concedido hasta entonces, y que el abajo firmante actuará razonablemente, a todos los efectos, para garantizar que dichas invenciones, solicitudes de patente y patentes sean conservadas y disfrutadas por dicha Cesionaria tan completa y enteramente como si estas hubieran sido conservadas y disfrutadas por el abajo firmante si esta cesión no se hubiera llevado a cabo, y particularmente para ejecutar y proporcionar a dicha Cesionaria todos los documentos legales, incluso peticiones, especificaciones, juramentos, cesiones, renunciaciones de invención, declaraciones y actas notariales legales en forma y sustancia que puedan ser requeridas por dicha Cesionaria, para proporcionar

<p>exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.</p> <p>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.</p> <p><b>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</b></p> <p><b>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</b></p>	<p>a dicha Cesionaria todos los hechos relacionados con dichas invenciones o su historial y todos y cada uno de los documentos, fotografias, modelos, muestras u otras exhibiciones físicas que puedan representar dichas invenciones, y para testificar en cualesquiera procedimientos relacionados con dichas invenciones, solicitudes de patente y/o patentes.</p> <p>Por la presente, el (los) abajo firmante(s) concede(n) a un representante autorizado de la Cesionaria la facultad para que inserte en la presente Cesión cualquier identificación adicional que sea necesaria o deseable para cumplir las normas de cualquier Oficina de Patentes para la inscripción de la presente Cesión.</p> <p><b>Nombre y firma del Inventor / Nombres y firmas de los Inventores y Fecha</b></p> <p><b>Nombre y firma del Testigo / Nombres y firmas de los Testigos y Fecha</b></p>
--	--

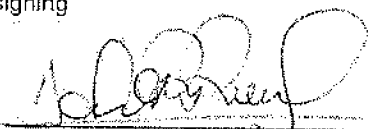
<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____                   Zhanyou XU</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Tracy William DOUBLER</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
---	--

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


Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature: \_\_\_\_\_

  
Anderson Rotter MEDA

Date: \_\_\_\_\_

July 18, 2016

  
Witness signature

João Vitor Maldonado dos Santos  
Witness printed name

18/07/2016

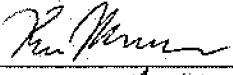
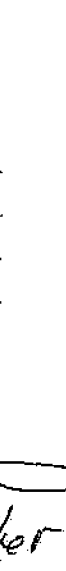
Date

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Becky Welsh BREITINGER</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Ju-Kyung YU</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
---	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Harikrishnan RAMASUBRAMANIAM</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--



Applicant(s) / Signature	Solicitante(s) / Firma
<p>SYNGENTA PARTICIPATIONS AG</p> <p>Signature: <u></u></p> <p>Printed Name: <u>Kevin Markham</u></p> <p>Title: <u>Patent Attorney</u></p> <p>Date: <u>July 19 2016</u></p>	<p>SYNGENTA PARTICIPATIONS AG</p> <p>Por:</p> <p>Nombre:</p> <p>Cargo:</p> <p>Fecha:</p>
<p>SYNGENTA PARTICIPATIONS AG</p> <p>Signature: <u></u></p> <p>Printed Name: <u>Lynn Stender</u></p> <p>Title: <u>Paralegal</u></p> <p>Date: <u>July 19, 2016</u></p>	<p>SYNGENTA PARTICIPATIONS AG</p> <p>Por:</p> <p>Nombre:</p> <p>Cargo:</p> <p>Fecha:</p>

<b>ASSIGNMENT – PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES</b>	<b>CESIÓN – PRIORIDAD / EN TODO EL MUNDO / PAÍSES DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)</b>
<p>For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>	<p>Por una buena y valiosa contraprestación, cuyo recibo y cantidad suficiente se confirma por la presente,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>

<p>has sold and assigned, and by this document hereby sells and assigns, unto</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>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</p> <p>(1) all inventions and discoveries described in Syngenta Patent Family <b>81000</b></p> <p>including those described in <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b>, and including, but not limited to, the following filings:</p> <p>Country / Application Number / Filing Date <b>US Application No. 62/303618 / 04March2016</b></p> <p>(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;</p> <p>(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);</p> <p>(4) all national phase patent applications of said International Patent Application(s);</p> <p>(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");</p>	<p>ha(n) vendido y cedido, y por medio de lo presente, vende(n) y cede(n) por la presente a</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>sus sucesoras y cesionarias, el derecho, título e interés completos, por lo que respecta a los Estados Unidos y sus territorios y posesiones y a todos los países extranjeros e incluso los miembros del Tratado de Cooperación en Materia de Patentes (PCT) en y sobre.</p> <p>(1) todas las invenciones y descubrimientos descritos en la familia de patentes de Syngenta <b>81000</b></p> <p>incluso aquellos descritos en <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b> e incluidas, pero no limitadas, las siguientes solicitudes:</p> <p>País / Número de Solicitud / Fecha de Presentación <b>US Application No. 62/303618 / 04March2016</b></p> <p>(2) dicha invención y solicitud provisional y/o de prioridad en y sobre todas y cada una de las solicitudes de patente posteriores que reivindiquen el beneficio de prioridad de dicha solicitud provisional y/o de prioridad, incluso la utilidad regular, continuaciones y continuaciones en parte, o divisiones de estas;</p> <p>(3) dicha invención en y sobre cualquier solicitud de patente mencionada para la(s) patente(s) de los Estados Unidos y países extranjeros relacionadas con todas las solicitudes de patente presentadas respecto a la invención, incluso todas las solicitudes de patente internacional, no provisionales, continuaciones, nuevas emisiones, sustituciones, renovaciones y divisiones;</p> <p>(4) todas las solicitudes de fase nacional de dicha(s) solicitud(es) de patente internacional;</p> <p>(5) todas las continuaciones (incluso continuación en partes), solicitudes de convención y divisiones de todas las solicitudes de patente mencionadas (incluso demás continuaciones y divisiones, tales como, pero no limitadas a, continuaciones de continuaciones y continuaciones de divisiones), ((2)-(5) más adelante llamadas colectivamente "solicitudes de patente");</p>
--	---

(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

(6) todas las patentes que se conceden sobre cualquiera de dichas solicitudes de patente;

(7) todos los registros y confirmaciones de, o certificados de importación en base de una o más de dichas patentes;

(8) todas las sustituciones, nuevas emisiones, renovaciones y extensiones de dichas patentes, certificados de re-examinación emitidos para dichas patentes y certificados de protección complementaria basándose por completo o en parte en dichas invenciones o en dichas solicitudes, y todas y cada una de las patentes y nuevas emisiones, re-examinaciones y extensiones de la patente concedidas a dichos inventores o en dichas solicitudes y en dichas patentes;

(9) cada derecho prioritario basado o que se pueda basar en o que surge de dichas invenciones, dichas solicitudes de patentes y dichas patentes;

autorizando a dicha Cesionaria para que presente solicitudes de patente en cualquier o todos los países o cualquier o todas dichas invenciones en nombre del abajo firmante o en nombre de dicha Cesionaria o de otra forma según pueda considerar aconsejable dicha Cesionaria, bajo cualquier tratado de patente internacional (p. ej., el Tratado de Cooperación en Materia de Patentes, la Convención de París, etc.) o de otra forma; autorizando por la presente a todas las Oficinas de Patentes (de los Estados Unidos y extranjeras) para que emitan o transfieran todas dichas patentes a dicha Cesionaria de acuerdo con la presente;

estando esta cesión bajo el acuerdo, no solo de que el abajo firmante posea el poder completo para ejecutarla, sino que también dicho derecho cedido no se vea afectado por ninguna concesión, licencia ni otro derecho concedido hasta entonces, y que el abajo firmante actuará razonablemente, a todos los efectos, para garantizar que dichas invenciones, solicitudes de patente y patentes sean conservadas y disfrutadas por dicha Cesionaria tan completa y enteramente como si estas hubieran sido conservadas y disfrutadas por el abajo firmante si esta cesión no se hubiera llevado a cabo, y particularmente para ejecutar y proporcionar a dicha Cesionaria todos los documentos legales, incluso peticiones, especificaciones, juramentos, cesiones, renunciaciones de invención, declaraciones y actas notariales legales en forma y sustancia que puedan ser requeridas por dicha Cesionaria, para proporcionar

<p>exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.</p>	<p>a dicha Cesionaria todos los hechos relacionados con dichas invenciones o su historial y todos y cada uno de los documentos, fotografias, modelos, muestras u otras exhibiciones físicas que puedan representar dichas invenciones, y para testificar en cualesquiera procedimientos relacionados con dichas invenciones, solicitudes de patente y/o patentes.</p>
<p>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.</p>	<p>Por la presente, el (los) abajo firmante(s) concede(n) a un representante autorizado de la Cesionaria la facultad para que inserte en la presente Cesión cualquier identificación adicional que sea necesaria o deseable para cumplir las normas de cualquier Oficina de Patentes para la inscripción de la presente Cesión.</p>
<p><b>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</b></p>	<p><b>Nombre y firma del Inventor / Nombres y firmas de los Inventores y Fecha</b></p>
<p><b>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</b></p>	<p><b>Nombre y firma del Testigo / Nombres y firmas de los Testigos y Fecha</b></p>

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____                   Zhanyou XU</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Tracy William DOUBLER</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
---	--

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature: \_\_\_\_\_  
Anderson Rotter MEDA

Date: \_\_\_\_\_

\_\_\_\_\_  
Witness signature:

\_\_\_\_\_  
Witness printed name

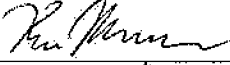

\_\_\_\_\_  
Date



<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: <u>Becky Welsh Breitinger</u> Becky Welsh BREITINGER</p> <p>Date: <u>6/6/16</u></p> <p><u>Mary Thompson Mancuso</u> Witness signature <u>Mary Thompson Mancuso</u> Witness printed name <u>6/6/16</u> Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____                   Ju-Kyung YU</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
---	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Harikrishnan RAMASUBRAMANIAM</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

Applicant(s) / Signature	Solicitante(s) / Firma
<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Signature: <u></u> Printed Name: <u>Kevin Markham</u> Title: <u>Patent Attorney</u> Date: <u>July 19 2016</u></p>	<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Por: Nombre: Cargo: Fecha:</p>
<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Signature: <u></u> Printed Name: <u>Lynn Stender</u> Title: <u>Paralegal</u> Date: <u>July 19, 2016</u></p>	<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Por: Nombre: Cargo: Fecha:</p>

<p align="center"><b>ASSIGNMENT – PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES</b></p>	<p align="center"><b>CESIÓN – PRIORIDAD / EN TODO EL MUNDO / PAÍSES DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)</b></p>
<p>For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>	<p>Por una buena y valiosa contraprestación, cuyo recibo y cantidad suficiente se confirma por la presente,</p> <p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p> <p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p> <p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p> <p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>

<p>has sold and assigned, and by this document hereby sells and assigns, unto</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>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</p> <p>(1) all inventions and discoveries described in Syngenta Patent Family <b>81000</b></p> <p>including those described in <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b>, and including, but not limited to, the following filings:</p> <p>Country / Application Number / Filing Date</p> <p><b>US Application No. 62/303618 / 04March2016</b></p> <p>(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;</p> <p>(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);</p> <p>(4) all national phase patent applications of said International Patent Application(s);</p> <p>(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");</p>	<p>ha(n) vendido y cedido, y por medio de lo presente, vende(n) y cede(n) por la presente a</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>sus sucesoras y cesionarias, el derecho, título e interés completos, por lo que respecta a los Estados Unidos y sus territorios y posesiones y a todos los países extranjeros e incluso los miembros del Tratado de Cooperación en Materia de Patentes (PCT) en y sobre</p> <p>(1) todas las invenciones y descubrimientos descritos en la familia de patentes de Syngenta <b>81000</b></p> <p>incluso aquellos descritos en <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b> e incluidas, pero no limitadas, las siguientes solicitudes:</p> <p>País / Número de Solicitud / Fecha de Presentación</p> <p><b>US Application No. 62/303618 / 04March2016</b></p> <p>(2) dicha invención y solicitud provisional y/o de prioridad en y sobre todas y cada una de las solicitudes de patente posteriores que reivindiquen el beneficio de prioridad de dicha solicitud provisional y/o de prioridad, incluso la utilidad regular, continuaciones y continuaciones en parte, o divisiones de estas;</p> <p>(3) dicha invención en y sobre cualquier solicitud de patente mencionada para la(s) patente(s) de los Estados Unidos y países extranjeros relacionadas con todas las solicitudes de patente presentadas respecto a la invención, incluso todas las solicitudes de patente internacional, no provisionales, continuaciones, nuevas emisiones, sustituciones, renovaciones y divisiones;</p> <p>(4) todas las solicitudes de fase nacional de dicha(s) solicitud(es) de patente internacional;</p> <p>(5) todas las continuaciones (incluso continuación en partes), solicitudes de convención y divisiones de todas las solicitudes de patente mencionadas (incluso demás continuaciones y divisiones, tales como, pero no limitadas a, continuaciones de continuaciones y continuaciones de divisiones), ((2)-(5) más adelante llamadas colectivamente "solicitudes de patente");</p>
---	---

<p>(6) all patents that are granted on any of said patent applications;</p> <p>(7) all registrations and confirmations of and importation certificates based on one or more of said patents;</p> <p>(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;</p> <p>(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;</p> <p>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</p>	<p>(6) todas las patentes que se conceden sobre cualquiera de dichas solicitudes de patente;</p> <p>(7) todos los registros y confirmaciones de, o certificados de importación en base de una o más de dichas patentes;</p> <p>(8) todas las sustituciones, nuevas emisiones, renovaciones y extensiones de dichas patentes, certificados de re-examinación emitidos para dichas patentes y certificados de protección complementaria basándose por completo o en parte en dichas invenciones o en dichas solicitudes, y todas y cada una de las patentes y nuevas emisiones, re-examinaciones y extensiones de la patente concedidas a dichos inventores o en dichas solicitudes y en dichas patentes;</p> <p>(9) cada derecho prioritario basado o que se pueda basar en o que surge de dichas invenciones, dichas solicitudes de patentes y dichas patentes; autorizando a dicha Cesionaria para que presente solicitudes de patente en cualquier o todos los países o cualquier o todas dichas invenciones en nombre del abajo firmante o en nombre de dicha Cesionaria o de otra forma según pueda considerar aconsejable dicha Cesionaria, bajo cualquier tratado de patente internacional (p. ej., el Tratado de Cooperación en Materia de Patentes, la Convención de París, etc.) o de otra forma; autorizando por la presente a todas las Oficinas de Patentes (de los Estados Unidos y extranjeras) para que emitan o transfieran todas dichas patentes a dicha Cesionaria de acuerdo con la presente;</p> <p>estando esta cesión bajo el acuerdo, no solo de que el abajo firmante posea el poder completo para ejecutarla, sino que también dicho derecho cedido no se vea afectado por ninguna concesión, licencia ni otro derecho concedido hasta entonces, y que el abajo firmante actuará razonablemente, a todos los efectos, para garantizar que dichas invenciones, solicitudes de patente y patentes sean conservadas y disfrutadas por dicha Cesionaria tan completa y enteramente como si estas hubieran sido conservadas y disfrutadas por el abajo firmante si esta cesión no se hubiera llevado a cabo, y particularmente para ejecutar y proporcionar a dicha Cesionaria todos los documentos legales, incluso peticiones, especificaciones, juramentos, cesiones, renunciaciones de invención, declaraciones y actas notariales legales en forma y sustancia que puedan ser requeridas por dicha Cesionaria, para proporcionar</p>
---	---

<p>exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.</p> <p>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.</p> <p><b>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</b></p> <p><b>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</b></p>	<p>a dicha Cesionaria todos los hechos relacionados con dichas invenciones o su historial y todos y cada uno de los documentos, fotografias, modelos, muestras u otras exhibiciones físicas que puedan representar dichas invenciones, y para testificar en cualesquiera procedimientos relacionados con dichas invenciones, solicitudes de patente y/o patentes.</p> <p>Por la presente, el (los) abajo firmante(s) concede(n) a un representante autorizado de la Cesionaria la facultad para que inserte en la presente Cesión cualquier identificación adicional que sea necesaria o deseable para cumplir las normas de cualquier Oficina de Patentes para la inscripción de la presente Cesión.</p> <p><b>Nombre y firma del Inventor / Nombres y firmas de los Inventores y Fecha</b></p> <p><b>Nombre y firma del Testigo / Nombres y firmas de los Testigos y Fecha</b></p>
--	--



<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____                   Zhanyou XU</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Tracy William DOUBLER</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
---	--

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature: \_\_\_\_\_  
Anderson Rotter MEDA

Date: \_\_\_\_\_

\_\_\_\_\_  
Witness signature

\_\_\_\_\_  
Witness printed name

\_\_\_\_\_  
Date

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Becky Welsh BREITINGER</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
--	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature: _____ Ju-Kyung YU</p> <p>Date: _____</p> <p>_____ Witness signature</p> <p>_____ Witness printed name</p> <p>_____ Date</p>	
---	--

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing


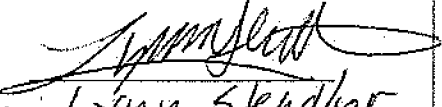
Signature: R. Hari Krishnan  
Harikrishnan RAMASUBRAMANIAM

Date: 5/10/16

Karla Williams

Witness signature  
Karla Williams

Witness printed name  
5/10/16  
Date

Applicant(s) / Signature	Solicitante(s) / Firma
<p>SYNGENTA PARTICIPATIONS AG</p> <p>Signature: <u></u></p> <p>Printed Name: <u>Kevin Markham</u></p> <p>Title: <u>Patent Attorney</u></p> <p>Date: <u>July 19 2016</u></p>	<p>SYNGENTA PARTICIPATIONS AG</p> <p>Por:</p> <p>Nombre:</p> <p>Cargo:</p> <p>Fecha:</p>
<p>SYNGENTA PARTICIPATIONS AG</p> <p>Signature: <u></u></p> <p>Printed Name: <u>Lynn Stendler</u></p> <p>Title: <u>Paralegal</u></p> <p>Date: <u>July 19, 2016</u></p>	<p>SYNGENTA PARTICIPATIONS AG</p> <p>Por:</p> <p>Nombre:</p> <p>Cargo:</p> <p>Fecha:</p>

<b>ASSIGNMENT – PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES</b>	<b>CESIÓN – PRIORIDAD / EN TODO EL MUNDO / PAÍSES DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)</b>
<p>For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,</p>	<p>Por una buena y valiosa contraprestación, cuyo recibo y cantidad suficiente se confirma por la presente,</p>
<p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p>	<p><b>XU, Zhanyou</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p>
<p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p>	<p><b>DOUBLER, Tracy William</b> 2369 330th St. Slater IA 50244 United States Citizenship: United States Country of Residence: United States</p>
<p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p>	<p><b>MEDA, Anderson Rotter</b> Avenida Adhemar de Barros, 1300 Londrina-PR 86047250 Brazil Citizenship: Brazil Country of Residence: Brazil</p>
<p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p>	<p><b>BREITINGER, Becky Welsh</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p>
<p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p>	<p><b>YU, Ju-Kyung</b> 3054 E. Cornwallis Road Research Triangle Park, NC 27709 United States Citizenship: United States Country of Residence: United States</p>
<p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>	<p><b>RAMASUBRAMANIAM, Harikrishnan</b> 778 Craighead County Bay, AR 72411 United States Citizenship: United States Country of Residence: United States</p>



<p>has sold and assigned, and by this document hereby sells and assigns, unto</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>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</p> <p>(1) all inventions and discoveries described in Syngenta Patent Family <b>81000</b></p> <p>including those described in <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b>, and including, but not limited to, the following filings:</p> <p>Country / Application Number / Filing Date</p> <p><b>US Application No. 62/303618 / 04March2016</b></p> <p>(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;</p> <p>(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);</p> <p>(4) all national phase patent applications of said International Patent Application(s);</p> <p>(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");</p>	<p>ha(n) vendido y cedido, y por medio de lo presente, vende(n) y cede(n) por la presente a</p> <p><b>SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058, Basel, Switzerland</b></p> <p>sus sucesoras y cesionarias, el derecho, título e interés completos, por lo que respecta a los Estados Unidos y sus territorios y posesiones y a todos los países extranjeros e incluso los miembros del Tratado de Cooperación en Materia de Patentes (PCT) en y sobre</p> <p>(1) todas las invenciones y descubrimientos descritos en la familia de patentes de Syngenta <b>81000</b></p> <p>incluso aquellos descritos en <b>DISEASE RESISTANCE ALLELES IN SOYBEAN</b> e incluidas, pero no limitadas, las siguientes solicitudes:</p> <p>País / Número de Solicitud / Fecha de Presentación</p> <p><b>US Application No. 62/303618 / 04March2016</b></p> <p>(2) dicha invención y solicitud provisional y/o de prioridad en y sobre todas y cada una de las solicitudes de patente posteriores que reivindiquen el beneficio de prioridad de dicha solicitud provisional y/o de prioridad, incluso la utilidad regular, continuaciones y continuaciones en parte, o divisiones de estas;</p> <p>(3) dicha invención en y sobre cualquier solicitud de patente mencionada para la(s) patente(s) de los Estados Unidos y países extranjeros relacionadas con todas las solicitudes de patente presentadas respecto a la invención, incluso todas las solicitudes de patente internacional, no provisionales, continuaciones, nuevas emisiones, sustituciones, renovaciones y divisiones;</p> <p>(4) todas las solicitudes de fase nacional de dicha(s) solicitud(es) de patente internacional;</p> <p>(5) todas las continuaciones (incluso continuación en partes), solicitudes de convención y divisiones de todas las solicitudes de patente mencionadas (incluso demás continuaciones y divisiones, tales como, pero no limitadas a, continuaciones de continuaciones y continuaciones de divisiones), ((2)-(5) más adelante llamadas colectivamente "solicitudes de patente");</p>
---	---

(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

(6) todas las patentes que se conceden sobre cualquiera de dichas solicitudes de patente;

(7) todos los registros y confirmaciones de, o certificados de importación en base de una o más de dichas patentes;



(8) todas las sustituciones, nuevas emisiones, renovaciones y extensiones de dichas patentes, certificados de re-examinación emitidos para dichas patentes y certificados de protección complementaria basándose por completo o en parte en dichas invenciones o en dichas solicitudes, y todas y cada una de las patentes y nuevas emisiones, re-examinaciones y extensiones de la patente concedidas a dichos inventores o en dichas solicitudes y en dichas patentes;



(9) cada derecho prioritario basado o que se pueda basar en o que surge de dichas invenciones, dichas solicitudes de patentes y dichas patentes;

autorizando a dicha Cesionaria para que presente solicitudes de patente en cualquier o todos los países o cualquier o todas dichas invenciones en nombre del abajo firmante o en nombre de dicha Cesionaria o de otra forma según pueda considerar aconsejable dicha Cesionaria, bajo cualquier tratado de patente internacional (p. ej., el Tratado de Cooperación en Materia de Patentes, la Convención de París, etc.) o de otra forma; autorizando por la presente a todas las Oficinas de Patentes (de los Estados Unidos y extranjeras) para que emitan o transfieran todas dichas patentes a dicha Cesionaria de acuerdo con la presente;

estando esta cesión bajo el acuerdo, no solo de que el abajo firmante posea el poder completo para ejecutarla, sino que también dicho derecho cedido no se vea afectado por ninguna concesión, licencia ni otro derecho concedido hasta entonces, y que el abajo firmante actuará razonablemente, a todos los efectos, para garantizar que dichas invenciones, solicitudes de patente y patentes sean conservadas y disfrutadas por dicha Cesionaria tan completa y enteramente como si estas hubieran sido conservadas y disfrutadas por el abajo firmante si esta cesión no se hubiera llevado a cabo, y particularmente para ejecutar y proporcionar a dicha Cesionaria todos los documentos legales, incluso peticiones, especificaciones, juramentos, cesiones, renunciaciones de invención, declaraciones y actas notariales legales en forma y sustancia que puedan ser requeridas por dicha Cesionaria, para proporcionar

<p>exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.</p>	<p>a dicha Cesionaria todos los hechos relacionados con dichas invenciones o su historial y todos y cada uno de los documentos, fotografías, modelos, muestras u otras exhibiciones físicas que puedan representar dichas invenciones, y para testificar en cualesquiera procedimientos relacionados con dichas invenciones, solicitudes de patente y/o patentes.</p>
<p>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.</p>	<p>Por la presente, el (los) abajo firmante(s) concede(n) a un representante autorizado de la Cesionaria la facultad para que inserte en la presente Cesión cualquier identificación adicional que sea necesaria o deseable para cumplir las normas de cualquier Oficina de Patentes para la inscripción de la presente Cesión.</p>
<p><b>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</b></p>	<p><b>Nombre y firma del Inventor / Nombres y firmas de los Inventores y Fecha</b></p>
<p><b>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</b></p>	<p><b>Nombre y firma del Testigo / Nombres y firmas de los Testigos y Fecha</b></p>

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature:  Zhanyou XU</p> <p>Date: <u>5-17-16</u></p> <p> Witness signature AXHAGUVEL PERUMAL</p> <p>Witness printed name <u>May-17-2016</u> Date</p>	
---	--

<p>Inventor's name and signature / Inventors' names and signatures &amp; Date of signing</p> <p>Witness' name and signature / Witnesses' names and signatures &amp; Date of signing</p> <p>Signature:  Tracy William DOUBLER</p> <p>Date: <u>5/17/16</u></p> <p></p> <p>Witness signature Zhanyou Xu</p> <p>Witness printed name <u>05-17-16</u></p> <p>Date</p>	
--	--

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature:   
Anderson Rotter MEDA

Date: July 18, 2016

José Vitor M. dos Santos  
Witness signature

José Vitor Maldonado dos Santos  
Witness printed name

18/07/2016  
Date

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature: Becky Welsh Breiting  
Becky Welsh BREITINGER

Date: 6/6/16

Mary Thompson Mancuso  
Witness signature

Mary Thompson Mancuso  
Witness printed name

6/6/16  
Date

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

Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature:   
Ju-Kyung YU

Date: 05/17/2016

  
Witness signature

KEI SU  
Witness printed name

05/17/2016  
Date



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

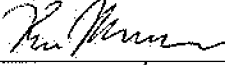
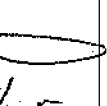
Witness' name and signature /  
Witnesses' names and signatures  
& Date of signing

Signature: R. Hari Krishnan  
Harikrishnan RAMASUBRAMANIAM

Date: 5/10/16

Karla Williams  
Witness signature  
Karla Williams

Witness printed name  
5/10/16  
Date

Applicant(s) / Signature	Solicitante(s) / Firma
<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Signature: <u></u> Printed Name: <u>Kevin Markham</u> Title: <u>Patent Attorney</u> Date: <u>July 19 2016</u></p>	<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Por: Nombre: Cargo: Fecha:</p>
<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Signature: <u></u> Printed Name: <u>Lynn Stender</u> Title: <u>Paralegal</u> Date: <u>July 19, 2016</u></p>	<p><b>SYNGENTA PARTICIPATIONS AG</b></p> <p>Por: Nombre: Cargo: Fecha:</p>