

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PIERRE JOSEPH MARCEL JUNG	11/07/2016
ANDREW EDMUNDS	11/17/2016
MICHEL MUEHLEBACH	11/07/2016
ANDRÉ JEANGUENAT	11/08/2016
DANIEL EMERY	11/21/2016
ROGER GRAHAM HALL	11/28/2016
VIKAS SIKERVAR	11/17/2016
JAGADISH PABBA	11/04/2016
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:	15775582
CORRESPONDENCE DATA	
Fax Number:	(202)372-9141
<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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ATTORNEY DOCKET NUMBER:	SYG-0237PA(115701-21)
NAME OF SUBMITTER:	TONI-JUNELL HERBERT
SIGNATURE:	/Toni-Junell Herbert/

PATENT

DATE SIGNED:	05/15/2018
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Total Attachments: 10

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ASSIGNMENT – PRIORITY / WORLDWIDE / PATENT COOPERATION TREATY (PCT) COUNTRIES	CESIÓN – PRIORIDAD / EN TODO EL MUNDO / PAÍSES DEL TRATADO DE COOPERACIÓN EN MATERIA DE PATENTES (PCT)
For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, JUNG, Pierre Joseph Marcel Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: France Country of Residence: France EDMUNDS, Andrew Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Great Britain Country of Residence: Switzerland MUEHLEBACH, Michel Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland JEANGUENAT, André Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland EMERY, Daniel Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland HALL, Roger Graham Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland SIKERVAR, Vikas Syngenta Biosciences Private Ltd Santa Monica Works, Corlim, Ilhas Goa 403 110, India Citizenship: India Country of Residence: India PABBA, Jagadish Syngenta Biosciences Private Ltd Santa Monica Works, Corlim, Ilhas Goa 403 110, India Citizenship: India Country of Residence: India has sold and assigned, and by this document hereby sells and assigns, unto	Por una buena y valiosa contraprestación, cuyo recibo y cantidad suficiente se confirma por la presente, JUNG, Pierre Joseph Marcel Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: France Country of Residence: France EDMUNDS, Andrew Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Great Britain Country of Residence: Switzerland MUEHLEBACH, Michel Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland JEANGUENAT, André Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland EMERY, Daniel Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland HALL, Roger Graham Syngenta Crop Protection AG Schaffhauserstrasse, 4332 Stein, Switzerland Citizenship: Switzerland Country of Residence: Switzerland SIKERVAR, Vikas Syngenta Biosciences Private Ltd Santa Monica Works, Corlim, Ilhas Goa 403 110, India Citizenship: India Country of Residence: India PABBA, Jagadish Syngenta Biosciences Private Ltd Santa Monica Works, Corlim, Ilhas Goa 403 110, India Citizenship: India Country of Residence: India ha(n) vendido y cedido, y por medio de lo presente, vende(n) y cede(n) por la presente a

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 80903 including those described in PESTICIDALLY ACTIVE HETEROCYCLIC DERIVATIVES WITH SULPHUR CONTAINING SUBSTITUENTS, and including, but not limited to, the following filings: Country / Application Number / Filing Date IN / 3735/DEL/2015 / 16 Nov 2015 IN / 201611028887 / 24 Aug 2016 (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");	SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, 4058 Basel, Switzerland 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 (1) todas las invenciones y descubrimientos descritos en la familia de patentes de Syngenta 80903 incluso aquellos descritos en PESTICIDALLY ACTIVE HETEROCYCLIC DERIVATIVES WITH SULPHUR CONTAINING SUBSTITUENTS e incluidas, pero no limitadas, las siguientes solicitudes: País / Número de Solicitud / Fecha de Presentación IN / 3735/DEL/2015 / 16 Nov 2015 IN / 201611028887 / 24 Aug 2016 (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; (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; (4) todas las solicitudes de fase nacional de dicha(s) solicitud(es) de patente internacional; (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");
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(6) all patents that are granted on any of said patent applications;	(6) todas las patentes que se conceden sobre cualquiera de dichas solicitudes de patente;
(7) all registrations and confirmations of and importation certificates based on one or more of said patents;	(7) todos los registros y confirmaciones de, o certificados de importación en base de una o más de dichas patentes;
(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;	(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) 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;	(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;
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	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 a dicha Cesionaria todos los hechos relacionados

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**

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

Pierre Joseph Marcel / on
JUNG, Pierre Joseph Marcel

07.11.2016
Date

[Signature]
Witness signature
SACHET Jérôme

Witness printed name

07.11.2016
Date

[Signature]
EDMUNDS, Andrew
17.11.2016

Date

[Signature]
Witness signature
NICOLAS GERAETS

Witness printed name

17.11.2016
Date

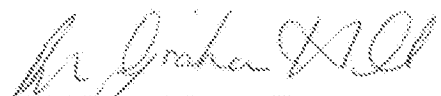
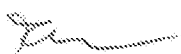
con dichas invenciones o su historial y todos y cada uno de los documentos, fotografías, modelos, muestras u otras exhibiciones físicas que puedan representar dichas invenciones, y para testificar en cualesquiera procedimientos relacionados con dichas invenciones, solicitudes de patente y/o patentes.

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.

**Nombre y firma del Inventor /
Nombres y firmas de los Inventores
y Fecha**

**Nombre y firma del Testigo /
Nombres y firmas de los Testigos
y Fecha**

<u>Michel Muehlebach</u> MUEHLEBACH, Michel <u>07/11/2016</u> Date <u>Thomas J. Hoffman</u> Witness signature <u>Thomas J. Hoffman</u> Witness printed name <u>07/11/2016</u> Date <u>André Jeanguenat</u> JEANGUENAT, André <u>08.11.2016</u> Date <u>Alexandre Lamberson</u> Witness signature <u>Alexandre Lamberson</u> Witness printed name <u>8.11.2016</u> Date <u>Daniel Emery</u> EMERY, Daniel <u>21.11.2016</u> Date <u>Aurélien Bigot</u> Witness signature <u>AURÉLIE BIGOT</u> Witness printed name <u>21.11.2016</u> Date	
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 _____ HALL, Roger Graham 28-11-2016 _____ Date _____  _____ Witness signature MARCO STENTA _____ Witness printed name 28.11.2016 _____ Date _____ SIKERVAR, Vikas _____ Date _____ Witness signature _____ Witness printed name _____ Date _____ PABBA, Jagadish _____ Date _____ Witness signature _____ Witness printed name _____ Date	
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_____ HALL, Roger Graham _____ Date _____ Witness signature _____ Witness printed name _____ Date <i>Vikas Sikervar</i> _____ SIKERVAR, Vikas Date <i>11/17/2016</i> <i>[Signature]</i> _____ Witness signature <i>Sandeep Reddy Komlathuri</i> _____ Witness printed name Date <i>11/17/2016</i> _____ PABBA, Jagadish _____ Date _____ Witness signature _____ Witness printed name _____ Date	
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_____ HALL, Roger Graham _____ Date _____ Witness signature _____ Witness printed name _____ Date _____ SIKERVAR, Vikas _____ Date _____ Witness signature _____ Witness printed name _____ Date <i>Jagadish K Pabba</i> PABBA Jagadish <i>08-11-2016</i> Date <i>Ritesh Mathur</i> Witness signature <i>RITESH MATHUR</i> Witness printed name <i>04/11/2016</i> Date	
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Applicant(s) / Signature	Solicitante(s) / Firma
SYNGENTA PARTICIPATIONS AG Signature: _____ Printed Name: GROESSINGER, Jan Title: Patent Administrator Date: 7 November 2016	SYNGENTA PARTICIPATIONS AG Por: _____ Nombre: _____ Cargo: _____ Fecha: _____
SYNGENTA PARTICIPATIONS AG Signature:  _____ Printed Name: KUTZSCHE, Brigitte Title: Patent Administrator Date: 7 November 2016	SYNGENTA PARTICIPATIONS AG Por: _____ Nombre: _____ Cargo: _____ Fecha: _____

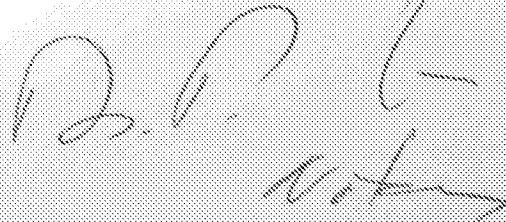
Attestation

I, the undersigned Civil Law Notary of Basel, Switzerland, Dr. Roland M. Müller, certify herewith that the signatures attached heretofore are the genuine signatures of **Mr. Pierre Joseph Marcel Jung**, French citizen, residing in Huningue, France; of **Mr. Andrew Edmunds**, British citizen, residing in Basel, Switzerland; of **Mr. Michel Muehlebach**, citizen of Littau, Switzerland, residing in Wallbach, Switzerland; of **Mr. André Jeanguenat**, citizen of Glovelier, Switzerland, residing in Basel, Switzerland; of **Mr. Daniel Emery**, citizen of Lens, Switzerland, residing in Basel, Switzerland; of **Mr. Roger Graham Hall**, citizen of Pfeffingen, Switzerland, residing in Binningen, Switzerland; of **Mr. Vikas Sikervar**, citizen of India, residing in Corlim, North Goa, Goa, India; and of **Mr. Jagadish Pabba**, citizen of India, residing in Corlim, North Goa, Goa, India.

I further certify the authenticity of the signatures attached heretofore of **Mr. Jan Grössinger**, citizen of Affoltern am Albis, Switzerland, residing in Olten, Switzerland; and of **Ms. Brigitte Kutzsche**, German citizen, residing in Laufenburg-Grunholz, Germany; both acting for **Syngenta Participations AG**, in Basel, Switzerland, both as proxy holders, both with joint signature.

The authenticity of the signatures was established by means of comparison.

BASEL, Switzerland, this 4th (fourth) day of January 2017 (two thousand and seventeen)



Dr. R.M. Müller
Notar

Leg.Prot.Nr. 6 /2017