504909048 05/10/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4955792

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHARLES BAXTER	06/11/2013
LAURENT GRIVET	07/10/2013
JULIEN BONNET	07/22/2013
NATALIE HELENE CHAPMAN	06/11/2013
GRAHAM BARRON SEYMOUR	06/11/2013

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:	15583360

CORRESPONDENCE DATA

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Address Line 4: **DURHAM, NORTH CAROLINA 27709**

ATTORNEY DOCKET NUMBER: 73608-US-REG-D-P-1	
NAME OF SUBMITTER:	SANDRA C STUFANO
SIGNATURE:	/sandra c stufano/
DATE SIGNED:	05/10/2018

Total Attachments: 7 source=73608#page1.tif

> **PATENT REEL: 045769 FRAME: 0407** 504909048

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ASSIGNMENT - PATENT COOPERATION TREATY (PCT) COUNTRIES

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

BAXTER, Charles, Syngenta Limited, Jealott's Hill International Research Centre, Bracknell, Berkshire, RG42 6EY, Great Britain

GRIVET, Laurent, Syngenta Seeds S.A.S., 12, chemin de l'Hobit, BP 27, Saint-Sauveur, F-31790, France

BONNET, Julien, Syngenta Seeds S.A.S.,12, chemin de l'Hobit, BP 27, Saint-Sauveur, F-31790, France

CHAPMAN, Natalie Helene, 9 Vinetree Teerrace, Hoton, Loughborough, Leicestershire LE12 5SL, Great Britain

SEYMOUR, Graham Barron, University of Nottingham, School of Biosciences, Loughborough, Leicestershire, LE12 5RD, Great Britain

has sold and assigned, and by these presents hereby sells and assigns, unto

SYNGENTA PARTICIPATIONS AG

its successors and assigns, the entire right, title and interest, so far as concerns all countries that are members of the Patent Cooperation Treaty (PCT) in and to

(1) all inventions and discoveries described in Syngenta Patent Family 73608

including those described in

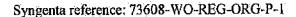
Country / Application Number / Filing Date

EP / 12163971.0 / 12 April 2012

- (2) said patent application(s) and all patent application(s) filed in respect of the invention, including all International Patent Application(s);
- (3) all national phase patent applications of said International Patent Application(s);
- (4) all continuations (including continuation-in-parts) and 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)-(4) hereinafter referred to collectively as "patent applications");
- (5) all patents that are granted on any of said patent applications;
- (6) all registrations and confirmations of, and importation certificates based on, one or more of said patents;

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(7) 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 on said patents;

(8) every priority right 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 or any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; all Patent Offices being hereby authorized to issue or transfer all said patents to said Assignee in accordance herewith:

this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will to all acts reasonably serving to ensure that the said inventions, patent applications and patents shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or patents.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of any Patent Office for recordation of this Assignment.

This Assignment is deemed to be effective on 11 June 2013.

Inventor /Signature /Witness

BAXTER, Charles

Itness J. Shafan

JULY 10,2013

GRIVET, Laurent

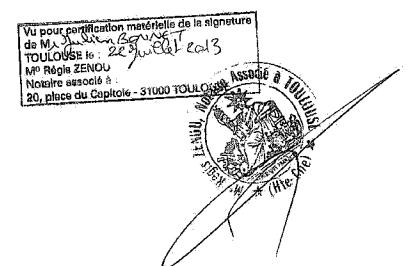
Witness AMELOT Nicolas

Vu pour certification matérialle de la signature de Ma Coule Conference de la signature TOULOUSE le CANTON PORTO DE LA SECULIA D

22/07/2013

BONNET, Julien

Witness ANELOT, Nicolas



N to Chapman

CHAPMAN, Natalie Helene

C N Cullen

Notary Public Nottingham, England



G. B. Sey SEYMOUR, Graham Barron

C N Cullen

Notary Public

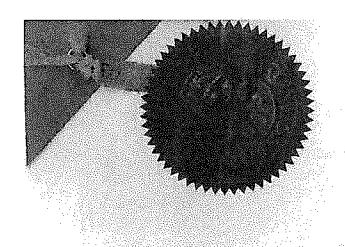
Nottingham, England

Applicants/Signature/Witness

Freelord, Soudra

pplicants/Signature/Witness

STELL FOR THE SELECTIONS AG Witness



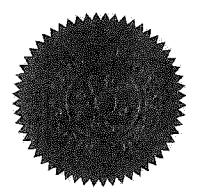
BE IT KNOWN that I, STEPHEN DAVID FINN of 31 Amersham Hill Drive High Wycombe Buckinghamshire United Kingdom a duly authorised Notary Public

CERTIFY ONLY that Brian Michael Howes a United Kingdom Citizen holder of United Kingdom Passport No. 094542802 issued on the 30th July 2005 who is well known to me and who is duly authorised by Syngenta Participations AG ("the Company") to represent them in this matter has today caused the annexed Assignment to be produced to me and that he has represented to me on behalf of the Company that the said annexed document is an original Assignment duly signed by Charles James Baxter

SIGNED and sealed at 31 Amersham Hill Drive aforesaid on 4th September 2013

Stephen David Finn Notary Public England and Wales

Protocol No. 7760/10



PATENT REEL: 045769 FRAME: 0415

RECORDED: 05/10/2018