504052856 10/17/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PHILIPPE CHARLES	06/08/2011
GEOFFROY GELDHOF	06/08/2011
VINCENT MANCUSO	06/07/2011

RECEIVING PARTY DATA

Name:	GlaxoSmithKline Biologicals SA	
Street Address:	rue de l'Institut 89	
City:	Rixensart	
State/Country:	BELGIUM	
Postal Code:	B-1330	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14592894

CORRESPONDENCE DATA

Fax Number: (610)270-5253

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.

Phone: 610-270-6316

Email: US CIPKOP@GSK.com **GLAXOSMITHKLINE Correspondent Name:** Address Line 1: 709 SWEDELAND ROAD

Address Line 2: **CIP UW2220**

Address Line 4: KING OF PRUSSIA, PENNSYLVANIA 19406

ATTORNEY DOCKET NUMBER:	VB63164D1
NAME OF SUBMITTER:	MINDY L SMITH
SIGNATURE:	/Mindy L. Smith/
DATE SIGNED:	10/17/2016

Total Attachments: 3

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> **PATENT** REEL: 040030 FRAME: 0901 504052856

Assignment

WHEREAS I/WE, Philippe CHARLES a citizen of Belgium of Rixensart, Belgium, Geoffroy GELDHOF a citizen of Belgium of Rixensart, Belgium and Vincent MANCUSO a citizen of Belgium of Rixensart, Belgium (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "NOVEL PROCESS" (hereinafter referred to as "the invention and improvements") for which priority application 1008401.0 was filed on 20 May 2010 in the United Kingdom, and for which a PCT international application PCT/EP2011/058016 was filed on 18 May 2011, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

WHEREAS GLAXOSMITHKLINE BIOLOGICALS S.A., a company incorporated in Belgium, whose registered office is at rue de l'Institut 89, B-1330 Rixensart, Belgium, is desirous of acquiring the whole right, title and interest in and to the invention, and in and to any applications for the invention and any Letters Patent to be obtained therefor, in all countries, including the United States of America, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, the inventors, hereby confirm the ownership by GLAXOSMITHKLINE BIOLOGICALS S.A. of the invention and the application by operation of law and, if under the law of the United States of America I/we the inventor(s) have any ownership right, title and interest in and to the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in and to the invention and to the application based on the law of Belgium), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and to the application, including the right to claim priority from the application in respect of any subsequent applications, to GLAXOSMITHKLINE BIOLOGICALS S.A. in all countries, including the United States of America, its territories and possessions;

AND I/we, the inventors, hereby assign and transfer to **GLAXOSMITHKLINE BIOLOGICALS S.A.**, my/our whole right title and interest in and to the invention and the

PATENT REEL: 040030 FRAME: 0902 application, and in and to any divisional application, continuation or continuation-in-part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof, and I/we the inventor(s) hereby authorise and request any patent arising therefrom, in all countries, including the United States, its territories and possessions, be issued to GLAXOSMITHKLINE BIOLOGICALS S.A..

AND, I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of **GLAXOSMITHKLINE BIOLOGICALS S.A.**, to provide information and make, execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually secure to and vest in said **GLAXOSMITHKLINE BIOLOGICALS S.A.**, its successors and assigns, the whole right, title and interest in and to the invention hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS WHEREOF, and with effect from 20 May 2010, I/we the inventors and the Attorney & Authorised Official of **GLAXOSMITHKLINE BIOLOGICALS S.A.** have hereunto set my/our respective hand(s).

Philippe CHARLES:

Signature

8 | 6 | 2011

Geoffroy GELDHOF:

O3 | 06 | 2011

Vincent MANCUSO:

O7 | 06 | 2011

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VB63164

SIGNED by	MARCUS	JONATHAN	WILLIAM	DALTON		
As the Attorney & Authorised Official of GLAXOSMITHKLINE BIOLOGICALS S.A.						

Date: 20 June 2011

PATENT

REEL: 040030 FRAME: 0904

RECORDED: 10/17/2016