

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ralph Leon BIEMANS</td> <td>05/21/2012</td> </tr> <tr> <td>Pierre DUVIVIER</td> <td>05/17/2012</td> </tr> <tr> <td>Ollivier Francis Nicolas GAVARD</td> <td>05/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ralph Leon BIEMANS	05/21/2012	Pierre DUVIVIER	05/17/2012	Ollivier Francis Nicolas GAVARD	05/17/2012		
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<table border="1"> <tr> <td>Name:</td> <td>GLAXOSMITHKLINE BIOLOGICALS S.A.</td> </tr> <tr> <td>Street Address:</td> <td>rue de l'Institut 89</td> </tr> <tr> <td>City:</td> <td>Rixensart</td> </tr> <tr> <td>State/Country:</td> <td>BELGIUM</td> </tr> <tr> <td>Postal Code:</td> <td>B-1330</td> </tr> </table>		Name:	GLAXOSMITHKLINE BIOLOGICALS S.A.	Street Address:	rue de l'Institut 89	City:	Rixensart	State/Country:	BELGIUM	Postal Code:	B-1330
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CORRESPONDENCE DATA											
<p>Fax Number: 9194837977 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-483-2370</p> <p>Email: USCIPRTP@GSK.COM</p> <p>Correspondent Name: GlaxoSmithKline</p> <p>Address Line 1: Five Moore Drive</p> <p>Address Line 4: Research Triangle Pk, NORTH CAROLINA 27709</p>											
ATTORNEY DOCKET NUMBER:	VB64154										
NAME OF SUBMITTER:	Johnie Jones										
<p>Total Attachments: 3</p> <p>source=VB64154_US_Assignment#page1.tif</p> <p>source=VB64154_US_Assignment#page2.tif</p> <p>source=VB64154_US_Assignment#page3.tif</p>											

CH \$40.00 13581824

Assignment

WHEREAS IWE, Ralph Leon BIEMANS a citizen of Belgium of Rixensart, Belgium, Pierre DUVIVIER a citizen of Belgium of Rixensart, Belgium, Ollivier Francis Nicolas GAVARD a citizen of France of Rixensart, Belgium (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "**CONJUGATION PROCESS OF BACTERIAL POLYSACCHARIDES TO CARRIER PROTEINS**" (hereinafter referred to as "the invention and improvements") for which priority application **1003922.0** was filed on **9 Mar 2010** in the **United Kingdom**, and for which a PCT international application **PCT/EP2011/053400** was filed on **7 Mar 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

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.

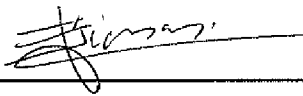
IN WITNESS WHEREOF, and with effect from 9 Mar 2010, I/we the inventors and the Attorney & Authorised Official of **GLAXOSMITHKLINE BIOLOGICALS S.A.** have hereunto set my/our respective hand(s).

Inventor Name

Signature

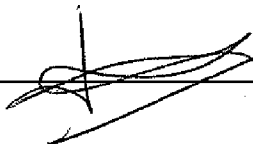
Date

Ralph Leon BIEMANS:



May 21, 2012

Pierre DUVIVIER:



May 17, 2012

Ollivier Francis Nicolas GAVARD:

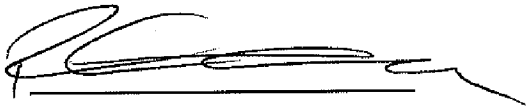


17 May 2012

VB64154

SIGNED by RICHARD LEWIS EASEMAN

As the Attorney & Authorised Official of **GLAXOSMITHKLINE BIOLOGICALS S.A.:**



Signature

Date: - 1 JUN 2012