

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2612891

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>08/01/2008</td> </tr> <tr> <td>PHILIPPE VINCENT HERMAND</td> <td>08/11/2008</td> </tr> <tr> <td>JAN POOLMAN</td> <td>08/04/2008</td> </tr> </tbody> </table>		Name	Execution Date	RALPH LEON BIEMANS	08/01/2008	PHILIPPE VINCENT HERMAND	08/11/2008	JAN POOLMAN	08/04/2008		
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RECEIVING PARTY DATA											
<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											
Fax Number:	(919)483-7977										
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ATTORNEY DOCKET NUMBER:	VB62503USW										
NAME OF SUBMITTER:	JOHNIE JONES										
Signature:	/Johnie Jones/										
Date:	11/13/2013										
Total Attachments: 2 source=VB62503_US_Assignment#page1.tif source=VB62503_US_Assignment#page2.tif											

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**Assignment**

WHEREAS, I/we, **Ralph Leon BIEMANS and Philippe Vincent HERMAND** both **Belgian citizens** and **Jan POOLMAN** a **Dutch citizen**, all of **Rixensart, Belgium**, (hereinafter called "the inventor(s)") has/have invented or discovered **VACCINE** (hereinafter called "the invention") for which applications for Letters Patent in the **United Kingdom** were filed on **26 June 2007; 26 June 2007 and 26 June 2007** under application numbers **0712420.9; 0712428.2 and 0712435.7, respectively** and for which a PCT international application is now being filed designating the United States of America. I/We hereby authorise and request that the filing date and PCT International application number, when known, be inserted here in parentheses:

**(PCT/EP2008/057999 filed on 24 June 2008)**

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

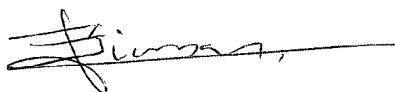
**PATENT**

**REEL: 031590 FRAME: 0293**

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.**

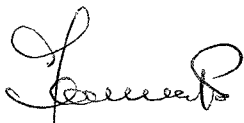
AND, I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of **GLAXOSMITHKLINE BIOLOGICALS S.A.**, to provide information and make, execute and deliver any and all other instruments in writing, and any and all further 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 24 June 2007, I/we the inventors have hereunto set my/our respective hand(s).



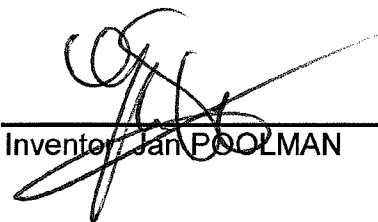
Inventor: Ralph Leon BIEMANS

1<sup>st</sup> August 2008  
Date



Inventor: Philippe Vincent HERMAND

11<sup>th</sup> August 2008  
Date



Inventor: Jan POOLMAN

04<sup>th</sup> August 2008  
Date