

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>08/11/2006</td></tr><tr><td>Pierre DUVIVIER</td><td>09/04/2006</td></tr></tbody></table>	Name	Execution Date	Ralph Leon BIEMANS	08/11/2006	Pierre DUVIVIER	09/04/2006	
Name	Execution Date						
Ralph Leon BIEMANS	08/11/2006						
Pierre DUVIVIER	09/04/2006						
RECEIVING PARTY DATA							
Name:	GlaxoSmithKline Biologicals s.a.						
Street Address:	rue de l'Institut 89						
City:	Rixensart						
State/Country:	BELGIUM						
Postal Code:	B-1330						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>PCT Number:</td><td>EP0606270</td></tr></tbody></table>	Property Type	Number	PCT Number:	EP0606270			
Property Type	Number						
PCT Number:	EP0606270						
CORRESPONDENCE DATA							
Fax Number:	(919)483-7977						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(919) 483-7867						
Email:	Johnie.X.Jones@gsk.com						
Correspondent Name:	Johnie Jones						
Address Line 1:	Five Moore Drive, P.O. Box 13398						
Address Line 4:	Research Triangle Pk, NORTH CAROLINA 27709						
ATTORNEY DOCKET NUMBER:	VB62022USW						
NAME OF SUBMITTER:	Alice P. Bradney						
Total Attachments: 1 source=VB62022USw_Assignment#page1.tif							

CH \$40.00 EP0606270

PATENT

500486237

REEL: 020643 FRAME: 0912

ASSIGNMENT

WHEREAS I/We, Ralph Leon BIEMANS and Pierre DUVIVIER of Rixensart, Belgium have made an invention entitled:

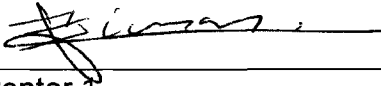
PROCESS FOR MANUFACTURING VACCINES

for which on _____ I/we executed an application for Letters Patent of the United States of America;

NOW, THEREFORE, in return for valuable consideration paid to me/us by GlaxoSmithKline of rue de l'Institut 89, B-1330 Rixensart, Belgium (hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged and intending to be legally bound, I/we do hereby assign unto the said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to the said invention, said executed application, any division, continuation and continuation-in-part of said application and reissue applications, and all Letters Patents of the United States of America to be obtained therefor;

I/we hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

In addition I/we agree to provide ASSIGNEE upon its request with all pertinent facts and documents relating to said invention, and said Letters Patent as may be known and accessible to me/us, and to testify as to the same in any interference or litigation related thereto, and to execute further instruments (including divisional, continuation, continuation-in-part or reissue applications, affidavits or other instruments) required to apply for, obtain, maintain and enforce said application and said Letters Patent which may be necessary; this agreement to be binding upon my/our heirs, executors and administrators.



Inventor 1
Ralph Leon BIEMANS

Date: 11 August 2006



Inventor 2
Pierre DUVIVIER

Date: 04 September 2006