

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Laurens Kruidenier</td> <td>11/07/2011</td> </tr> <tr> <td>David Francis Tough</td> <td>11/07/2011</td> </tr> <tr> <td>Kevin Lee</td> <td>12/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	Laurens Kruidenier	11/07/2011	David Francis Tough	11/07/2011	Kevin Lee	12/21/2011
Name	Execution Date								
Laurens Kruidenier	11/07/2011								
David Francis Tough	11/07/2011								
Kevin Lee	12/21/2011								
RECEIVING PARTY DATA									
Name:	Glaxo Group Limited								
Street Address:	Glaxo Wellcome House								
Internal Address:	Berkeley Avenue								
City:	Greenford, Middlesex								
State/Country:	UNITED KINGDOM								
Postal Code:	UB6 0NN								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13879635</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13879635				
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Application Number:	13879635								
CORRESPONDENCE DATA									
Fax Number:	9194837977								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	919-483-2370								
Email:	usciprtp@gsk.com								
Correspondent Name:	GlaxoSmithKline, Corporate Intellectual								
Address Line 1:	Five Moore Drive, P.O. Box 13398								
Address Line 2:	Bide C2111.2F								
Address Line 4:	Research Triangle Pa, NORTH CAROLINA 27709-3398								
ATTORNEY DOCKET NUMBER:	PB64377US (RHB)								
NAME OF SUBMITTER:	Valerie L. Phillips								
Signature:	/Valerie L. Phillips/								

CH \$40.00 13879635

PATENT

Date:

04/22/2013

Total Attachments: 6

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ASSIGNMENT

WHEREAS I/WE, Laurens KRUIDENIER a citizen of The Netherlands of Stevenage, Hertfordshire, United Kingdom, Kevin LEE a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom, David Francis TOUGH a citizen of Canada of Stevenage, Hertfordshire, United Kingdom and David Matthew WILSON a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "Method of Treatment" (hereinafter referred to as "the invention and improvements") for which priority application 1018147.7 was filed on 27 Oct 2010 in the United Kingdom, and for which a PCT international application PCT/EP2011/068675 was filed on 25 Oct 2011, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

WHEREAS the invention and improvements, being made in the course of my employment, belong to my/our employer at that time, namely GLAXOSMITHKLINE SERVICES UNLIMITED, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, and

WHEREAS GLAXOSMITHKLINE SERVICES UNLIMITED has authorised and requested our making the application, and

WHEREAS GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring from GLAXOSMITHKLINE SERVICES UNLIMITED the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS GLAXO GROUP LIMITED a company incorporated in England whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, England, is desirous of acquiring the whole right, title and interest in and to the invention and improvements and in and to any applications for the invention and improvements 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 inventor(s), hereby confirm the ownership by **GLAXOSMITHKLINE SERVICES UNLIMITED** of the invention and improvements 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 improvements 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 improvements and to the application based on the law of the United Kingdom), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and improvements and to the application, including the right to claim priority from the application in respect of any subsequent applications, to **GLAXOSMITHKLINE SERVICES UNLIMITED**. **GLAXOSMITHKLINE SERVICES UNLIMITED** in turn hereby assigns and transfers to **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** its whole right, title and interest in and to the invention and improvements and in and to the application.

GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, 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) and **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** hereby authorise and request any patent arising therefrom, in all countries, including the United States of America, its territories and possessions, be issued to **GLAXO GROUP LIMITED**;

AND **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** hereby, 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 **GLAXO GROUP LIMITED** 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 **GLAXO GROUP LIMITED**, its successors and assigns, the whole right, title and interest in and to the

invention and improvements and in and to the application hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

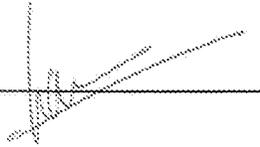
IN WITNESS whereof and with effect from the 27 Oct 2010, the inventor(s) and the Attorney & Authorised Official of GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXO GROUP LIMITED by virtue of Powers of Attorney granted by GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXO GROUP LIMITED have hereunto set their respective hands.

Inventor Name

Signature

Date

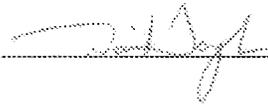
Laurens KRUIDENIER:



07/11/2011

Kevin LEE:

David Francis TOUGH:



7/11/2011

David Matthew WILSON:

Marcus Jonathan William DALTON

SIGNED by

As the Attorney & Authorised Official of GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXO GROUP LIMITED:


Signature

Date:

11 NOVEMBER 2011

ASSIGNMENT

WHEREAS I/WE, Laurens KRUIDENIER a citizen of The Netherlands of Stevenage, Hertfordshire, United Kingdom, Kevin LEE a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom, David Francis TOUGH a citizen of Canada of Stevenage, Hertfordshire, United Kingdom and David Matthew WILSON a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "Method of Treatment" (hereinafter referred to as "the invention and improvements") for which priority application 1018147.7 was filed on 27 Oct 2010 in the United Kingdom, and for which a PCT international application PCT/EP2011/068675 was filed on 25 Oct 2011, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

WHEREAS the invention and improvements, being made in the course of my employment, belong to my/our employer at that time, namely **GLAXOSMITHKLINE SERVICES UNLIMITED**, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, and

WHEREAS **GLAXOSMITHKLINE SERVICES UNLIMITED** has authorised and requested our making the application, and

WHEREAS **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED**, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring from **GLAXOSMITHKLINE SERVICES UNLIMITED** the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS **GLAXO GROUP LIMITED** a company incorporated in England whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, England, is desirous of acquiring the whole right, title and interest in and to the invention and improvements and in and to any applications for the invention and improvements 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 inventor(s), hereby confirm the ownership by **GLAXOSMITHKLINE SERVICES UNLIMITED** of the invention and improvements 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 improvements 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 improvements and to the application based on the law of the United Kingdom), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and improvements and to the application, including the right to claim priority from the application in respect of any subsequent applications, to **GLAXOSMITHKLINE SERVICES UNLIMITED**. **GLAXOSMITHKLINE SERVICES UNLIMITED** in turn hereby assigns and transfers to **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** its whole right, title and interest in and to the invention and improvements and in and to the application.

GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, 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) and **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** hereby authorise and request any patent arising therefrom, in all countries, including the United States of America, its territories and possessions, be issued to **GLAXO GROUP LIMITED**;

AND GLAXOSMITHKLINE SERVICES UNLIMITED and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** hereby, 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 **GLAXO GROUP LIMITED** 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 **GLAXO GROUP LIMITED**, its successors and assigns, the whole right, title and interest in and to the

