

## 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>Julie Nicole Hamblin</td> <td>05/17/2010</td> </tr> <tr> <td>Paul Spencer Jones</td> <td>05/17/2010</td> </tr> <tr> <td>Suzanne Elaine Keeling</td> <td>06/07/2010</td> </tr> <tr> <td>Joelle Le</td> <td>05/17/2010</td> </tr> <tr> <td>Nigel James Parr</td> <td>05/18/2010</td> </tr> </tbody> </table>		Name	Execution Date	Julie Nicole Hamblin	05/17/2010	Paul Spencer Jones	05/17/2010	Suzanne Elaine Keeling	06/07/2010	Joelle Le	05/17/2010	Nigel James Parr	05/18/2010
Name	Execution Date												
Julie Nicole Hamblin	05/17/2010												
Paul Spencer Jones	05/17/2010												
Suzanne Elaine Keeling	06/07/2010												
Joelle Le	05/17/2010												
Nigel James Parr	05/18/2010												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Glaxo Group Limited</td> </tr> <tr> <td>Street Address:</td> <td>Glaxo Wellcome House</td> </tr> <tr> <td>Internal Address:</td> <td>Berkeley Avenue</td> </tr> <tr> <td>City:</td> <td>Greenford, Middlesex</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>UB6 0NN</td> </tr> </table>		Name:	Glaxo Group Limited	Street Address:	Glaxo Wellcome House	Internal Address:	Berkeley Avenue	City:	Greenford, Middlesex	State/Country:	UNITED KINGDOM	Postal Code:	UB6 0NN
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>12768777</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12768777								
Property Type	Number												
Application Number:	12768777												
CORRESPONDENCE DATA													
Fax Number:	(919)483-7977												
Phone:	919-483-2370												
Email:	usciprtp@Gsk.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	GlaxoSmithKline LLC, Global Patents												
Address Line 1:	Five Moore Drive, PO Box 13398												
Address Line 2:	MailStop BIDE C2111.2F												
Address Line 4:	Research Triangle Pa, NORTH CAROLINA 27709												
ATTORNEY DOCKET NUMBER:	PB63642B/RJS												

CH \$40.00 12768777

NAME OF SUBMITTER:

Yolanda Vines

**Total Attachments: 9**

source=PB63642B\_Assignment#page1.tif

source=PB63642B\_Assignment#page2.tif

source=PB63642B\_Assignment#page3.tif

source=PB63642B\_Assignment#page4.tif

source=PB63642B\_Assignment#page5.tif

source=PB63642B\_Assignment#page6.tif

source=PB63642B\_Assignment#page7.tif

source=PB63642B\_Assignment#page8.tif

source=PB63642B\_Assignment#page9.tif

**ASSIGNMENT**

WHEREAS I/WE, Julie Nicole HAMBLIN, Joelle LE, and Nigel James PARR, all British citizens and all of Stevenage, Hertfordshire, United Kingdom and Paul Spencer JONES and Suzanne Elaine KEELING, both British citizens and both care of Stevenage, Hertfordshire, United Kingdom (hereinafter called "the inventor(s)") have invented or discovered "NOVEL COMPOUNDS" (hereinafter called "the invention") for which a patent application No. 61/174,033 was filed on 30 April 2009 in the United States of America and for which a US patent application No. 12/768,777 was filed on 28 April 2010.

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

WHEREAS GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England and Wales 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 the application, and

GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED have authorised and requested my/our making the application, and

WHEREAS GLAXO GROUP LIMITED a company incorporated in England and Wales whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, England, is desirous of acquiring from GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED the whole right, title and interest in and to the invention and the application in respect of the United States of America;

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 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 the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and 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 the application 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 the application. **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any 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 the United States of America 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 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 the application hereby assigned and transferred in respect of the United States of America.

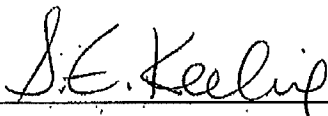
IN WITNESS whereof and with effect from 30 April 2009 the inventor(s) and Peter John GIDDINGS as Attorney of both GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

SIGNED by Julie Nicole HAMBLIN

Date: .....

SIGNED by Paul Spencer JONES

Date: .....



SIGNED by Suzanne Elaine KEELING

Date: 7<sup>th</sup> June 2010

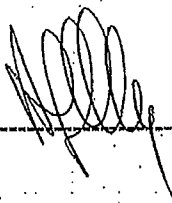
SIGNED by Joelle LE

Date: .....

SIGNED by Nigel James PARR

Date: .....

SIGNED by Peter John GIDDINGS as the Attorney of each of GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED:



Date: 15 JUN 2010

**ASSIGNMENT**

WHEREAS I/WE, **Julie Nicole HAMBLIN, Joelle LE, and Nigel James PARR**, all British citizens and all of Stevenage, Hertfordshire, United Kingdom and **Paul Spencer JONES and Suzanne Elaine KEELING**, both British citizens and both care of Stevenage, Hertfordshire, United Kingdom (hereinafter called "the inventor(s)") have invented or discovered "**NOVEL COMPOUNDS**" (hereinafter called "the invention") for which a patent application No. **61/174,033** was filed on **30 April 2009** in the United States of America and for which a US patent application No. **12/768,777** was filed on **28 April 2010**.

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

**WHEREAS GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED**, a company incorporated in England and Wales 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 the application, and

**GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** have authorised and requested my/our making the application, and

**WHEREAS GLAXO GROUP LIMITED** a company incorporated in England and Wales whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, England, is desirous of acquiring from **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** the whole right, title and interest in and to the invention and the application in respect of the United States of America;


**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 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 the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and 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 the application 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 the application. **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any 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 the United States of America 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 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 the application hereby assigned and transferred in respect of the United States of America.

IN WITNESS whereof and with effect from 30 April 2009 the inventor(s) and Peter John GIDDINGS as Attorney of both GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

\_\_\_\_\_  
SIGNED by Julie Nicole HAMBLIN

Date: .....

  
\_\_\_\_\_  
SIGNED by Paul Spencer JONES

Date: 17<sup>th</sup> May 2010

\_\_\_\_\_  
SIGNED by Suzanne Elaine KEELING

Date: .....

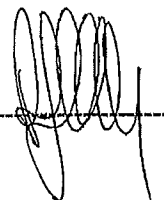
\_\_\_\_\_  
SIGNED by Joelle LE

Date: .....

\_\_\_\_\_  
SIGNED by Nigel James PARR

Date: .....

SIGNED by Peter John GIDDINGS as the Attorney of each of GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED:

  
\_\_\_\_\_

15 JUN 2010  
Date: .....



**ASSIGNMENT**

WHEREAS I/WE, **Julie Nicole HAMBLIN, Joelle LE, and Nigel James PARR**, all British citizens and all of Stevenage, Hertfordshire, United Kingdom and **Paul Spencer JONES and Suzanne Elaine KEELING**, both British citizens and both care of Stevenage, Hertfordshire, United Kingdom (hereinafter called "the Inventor(s)") have invented or discovered "**NOVEL COMPOUNDS**" (hereinafter called "the invention") for which a patent application No. **61/174,033** was filed on **30 April 2009** in the United States of America and for which a US patent application No. **12/768,777** was filed on **28 April 2010**.

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

WHEREAS **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED**, a company incorporated in England and Wales 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 the application, and

**GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** have authorised and requested my/our making the application, and

WHEREAS **GLAXO GROUP LIMITED** a company incorporated in England and Wales whose registered address is Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, England, is desirous of acquiring from **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** the whole right, title and interest in and to the invention and the application in respect of the United States of America;

**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 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 the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and 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 the application 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 the application. **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any 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 the United States of America 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 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 the application hereby assigned and transferred in respect of the United States of America.

IN WITNESS whereof and with effect from 30 April 2009 the inventor(s) and Peter John GIDDINGS as Attorney of both GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

Nicole Hamblin

SIGNED by Julie Nicole HAMBLIN

Date: 17th May 2010

SIGNED by Paul Spencer JONES

Date: .....

SIGNED by Suzanne Elaine KEELING

Date: .....

Joelle Le

SIGNED by Joelle LE

Date: 17th May 2010

Nigel James Parr

SIGNED by Nigel James PARR

Date: 18th May 2010

SIGNED by Peter John GIDDINGS as the Attorney of each of GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED:

Peter John Giddings

15 JUN 2010

Date: .....