

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3415203

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DIANE MARY COE	10/08/2014
STEPHEN ALLAN SMITH	06/12/2014
RECEIVING PARTY DATA	
Name:	GLAXOSMITHKLINE LLC
Street Address:	CORPORATION SERVICE COMPANY
Internal Address:	2711 CENTERVILLE ROAD, SUITE 400
City:	WILMINGTON
State/Country:	DELAWARE
Postal Code:	19808
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14443932
CORRESPONDENCE DATA	
Fax Number:	(919)483-7977
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(919) 483-9552
Email:	usciprtp@gsk.com
Correspondent Name:	GLAXOSMITHKLINE
Address Line 1:	FIVE MOORE DRIVE, P.O. BOX 13398
Address Line 2:	GLOBAL PATENTS - 5.5A
Address Line 4:	RESEARCHTRIANGLEPARK, NORTH CAROLINA 27709-3398
ATTORNEY DOCKET NUMBER:	PB65052US (KLC/RFK)
NAME OF SUBMITTER:	KATHRYN L. COULTER
SIGNATURE:	/Kathryn L. Coulter/
DATE SIGNED:	06/26/2015
Total Attachments: 9	
source=PB65052US_Assignment_Transmittal#page1.tif	
source=PB65052US_Assignment_Transmittal#page2.tif	
source=PB65052US_Assignment_Transmittal#page3.tif	

source=PB65052US_Assignment_Transmittal#page4.tif
source=PB65052US_Assignment_Transmittal#page5.tif
source=PB65052US_Assignment_Transmittal#page6.tif
source=PB65052US_Assignment_Transmittal#page7.tif
source=PB65052US_Assignment_Transmittal#page8.tif
source=PB65052US_Assignment_Transmittal#page9.tif

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)
Diane Mary COE (October 8, 2014)
Stephen Allan SMITH (June 12, 2014)
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: GlaxoSmithKline LLC
Internal Address: _____
Street Address: Corporation Service Company
2711 Centerville Road (Suite 400)
City: Wilmington
State: DE
Country: US Zip: 19808
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s) _____ (see above)
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document serves as an Oath/Declaration (37 CFR 1.63).
A. Patent Application No.(s)

14/443,932
Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address to whom correspondence concerning document should be mailed:
Name: GlaxoSmithKline
Internal Address: Global Patents
Street Address: Five Moore Drive
P.O. Box 13398
City: Research Triangle Park
State: NC Zip: 27709-3398
Phone Number: (919) 483-9552
Docket Number: PB65052US
Email Address: USCIPRTP@GSK.COM

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0.00
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
Deposit Account Number 07-1392
Authorized User Name Kathryn L. Coulter

9. Signature: /Kathryn L. Coulter/ 6/26/2015
Signature Date

Kathryn L. Coulter (Reg. No. 45,889)
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: **9**

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

I, James Kerr MILLIGAN, Notary Public of the City of London, England, by Royal Authority duly admitted and sworn, practising in the said City,

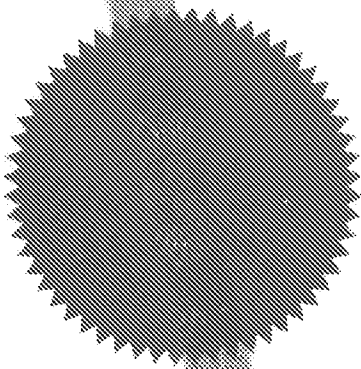
DO HEREBY CERTIFY AND ATTEST:

THAT the documents hereunto annexed are true and faithful photographic copies of two original counterparts of an Assignment produced to me this day, I, the said Notary, having carefully compared the annexed copies with the said original counterparts and thereupon found the same to agree therewith.

IN TESTIMONY WHEREOF I have hereunto set my hand and affixed my Seal of Office in the City of London, aforesaid, this twentieth day of May Two thousand and fifteen.



James Kerr MILLIGAN
Notary Public of London, England



ASSIGNMENT

WHEREAS IWE, Diane Mary COE, a citizen of the United Kingdom of Stevenage, Hertfordshire, GB, and Stephen Allan SMITH, a citizen of the United Kingdom of c/o Stevenage, Hertfordshire, United Kingdom, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "NOVEL COMPOUNDS" (hereinafter referred to as "the invention and improvements") for which priority applications 61/728390 and 61/774087 were filed on 20 Nov 2012 and 07 Mar 2013 respectively in the United States, and for which a PCT international application PCT/US2013/070472 was filed on 18 Nov 2013, designating the United States of America.

WHEREAS the invention, being made in the course of my employment, belongs 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 in and to the application, and

WHEREAS GLAXO GROUP 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 RESEARCH AND DEVELOPMENT LIMITED 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;

WHEREAS GLAXOSMITHKLINE LLC a company incorporated in the State of Delaware, USA, whose trading address is 5 Crescent Drive, Philadelphia, Pennsylvania 19112,

...ates of America, is desirous of acquiring from GLAXO GROUP LIMITED the 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 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 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 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 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 in and to the application.

GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** and **GLAXO GROUP LIMITED** hereby assigns and transfers to **GLAXOSMITHKLINE LLC** 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 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**, **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP 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 **GLAXOSMITHKLINE LLC**;

AND GLAXOSMITHKLINE SERVICES UNLIMITED, **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal

PATENT

REEL: 035992 FRAME: 0132

representatives hereby, agree at the request and cost of GLAXOSMITHKLINE LLC to provide information and make execute and deliver any and all other instruments in writing, any and all further acts, applications, papers, affidavits, assignments and other instruments which may be possible and are necessary or desirable to more effectually secure to and vest in GLAXOSMITHKLINE LLC, its successors and assigns, the whole right, title and interest in and to the invention 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 20 Nov 2012, the inventor(s) and the Attorney & Authorised Official of GLAXOSMITHKLINE SERVICES UNLIMITED, GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, GLAXO GROUP LIMITED and GLAXOSMITHKLINE LLC have hereunto set their respective hands.

Inventor Name Signature Date

Diane Mary COE: _____

Stephen Allan SMITH: Stephen Allan Smith 12th Nov 2014

Richard Lewis EASEMAN

SIGNED by _____

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



Date: 15 MAY 2015

Signature

ASSIGNMENT

WHEREAS I/WE, Diane Mary COE, a citizen of the United Kingdom of Stevenage, Hertfordshire, GB, and Stephen Allan SMITH, a citizen of the United Kingdom of Stevenage, Hertfordshire, United Kingdom, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "NOVEL COMPOUNDS" (hereinafter referred to as "the invention and improvements") for which priority applications 61/728390 and 61/774087 were filed on 20 Nov 2012 and 07 Mar 2013 respectively in the United States, and for which a PCT international application PCT/US2013/070472 was filed on 18 Nov 2013, designating the United States of America.

WHEREAS the invention, being made in the course of my employment, belongs 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 in and to the application, and

WHEREAS **GLAXO GROUP 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 RESEARCH AND DEVELOPMENT LIMITED** 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;

WHEREAS **GLAXOSMITHKLINE LLC** a company incorporated in the State of Delaware, USA, whose trading address is 5 Crescent Drive, Philadelphia, Pennsylvania 19112,

States of America, is desirous of acquiring from **GLAXO GROUP LIMITED** the 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 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 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 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 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 in and to the application.

GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** and **GLAXO GROUP LIMITED** hereby assigns and transfers to **GLAXOSMITHKLINE LLC** 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 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**, **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP 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 **GLAXOSMITHKLINE LLC**;

AND GLAXOSMITHKLINE SERVICES UNLIMITED, **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal

...ives hereby, agree at the request and cost of GLAXOSMITHKLINE LLC to
... information and make execute and deliver any and all other instruments in writing,
... 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 GLAXOSMITHKLINE LLC, its successors and assigns, the whole
right, title and interest in and to the invention and in and to the application hereby
assigned and transferred in all countries, including the United States of America, its
territories and possessions.

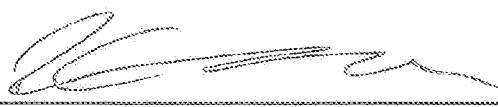
IN WITNESS whereof and with effect from the 20 Nov 2012, the inventor(s) and the
Attorney & Authorised Official of GLAXOSMITHKLINE SERVICES UNLIMITED,
GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, GLAXO GROUP
LIMITED and GLAXOSMITHKLINE LLC have hereunto set their respective hands.

Inventor Name	Signature	Date
Diane Mary COE:	<u>Diane Cox</u>	<u>28 October 2014</u>

Stephen Allan SMITH: _____

SIGNED by Richard Lewis EASEMAN

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

 Date: 15 MAY 2015

Signature

GLAXOSMITHKLINE LLC

Officer's Certificate

I, Arlene M. Sothern, Assistant Secretary of GlaxoSmithKline LLC (formerly known as SmithKline Beecham Corporation), a Delaware limited liability company, hereby certify that:

1. SmithKline Beecham Corporation operated under the name of GlaxoSmithKline and its registered office address was located at One Franklin Plaza, 200 North 16th Street, Philadelphia, Pennsylvania 19102.

2. On October 27, 2009, SmithKline Beecham Corporation, a Pennsylvania corporation, re-domesticated to become a Delaware corporation, and immediately thereafter converted into a Delaware limited liability company and changed its name to GlaxoSmithKline LLC.

3. The current registered office address for GlaxoSmithKline LLC is Corporation Service Company, 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808.

4. The current trading office address for GlaxoSmithKline LLC is 5 Crescent Drive, Philadelphia, Pennsylvania 19112.

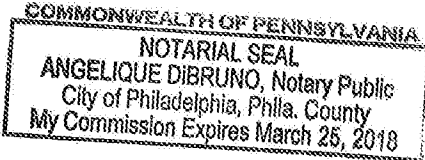
IN WITNESS WHEREOF, I have hereunto signed my name and affixed the seal of the Company on May 9, 2014.

Arlene M. Sothern
Arlene M. Sothern
Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA :
: SS
COUNTY OF PHILADELPHIA :

Before me, a Notary Public in and for said Commonwealth and County, and on this date personally appeared Arlene M. Sothern, who acknowledged herself to be the Assistant Secretary of GlaxoSmithKline LLC and that she as such Assistant Secretary, being authorized to do so, executed the foregoing certificate for purposes therein contained by signing the name of the Company by herself as Assistant Secretary.

Given under my hand and seal of office this 9th day of May.



Angelique Dibruno
Notary Public

PATENT