504981539 06/28/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT			
ONVEYING PARTY D	ΑΤΑ				
	Execution Date				
DIANE MARY COE			08/30/2013		
TEPHEN ALLAN SMIT	Н		08/28/2013		
RECEIVING PARTY DA	ТА				
Name:	GLAXOSN				
Street Address:	251 LITTLE FALLS DRIVE				
City:	WILMING	WILMINGTON			
State/Country:	DELAWA	DELAWARE			
Postal Code:	19808	19808			
PROPERTY NUMBERS	Total: 3				
Property Type		Number			
Application Number: 1600		008421			
Application Number: 1549		497852			
Application Number:	14	872620			
CORRESPONDENCE D	ΑΤΑ				
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ATTORNEY DOCKET NUMBER:		PB65234TC3			
NAME OF SUBMITTER:		LEAH M. OCTAVIO			
	SIGNATURE:				
SIGNATURE:		/Leah M. Octavio/			

06/28/2018

DATE SIGNED:

Total Attachments: 6

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ASSIGNMENT

WHEREAS I/WE, Diane Mary COE a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom and Stephen Allan SMITH a citizen of United Kingdom 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 61/692,853 & 61/774,094 were filed respectively on 24 August 2012 and 07 March 2013 in the United States of America, and for which a PCT international application PCT/US2013/056107 was filed on 22 August 2013, designating the United States of America and for which an application under US 35 U.S.C.111 (a) was filed on 22 August 2013 and given the serial number 13/973,466.

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, United States of America, is desirous of acquiring from GLAXO GROUP 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:

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 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;

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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 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, 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 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 24 August 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.

Signature	Date
Drone are	Jan Angers 2013
	-

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: 1.6 SEP 2013

Signature

ASSIGNMENT

WHEREAS I/WE, Diane Mary COE a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom and Stephen Allan SMITH a citizen of United Kingdom 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 @1/692,853 & 61/774,094 were filed respectively on 24 August 2012 and 07 March 2013 in the United States of America, and for which a PCT international application PCT/US2013/056107 was filed on 22 August 2013, designating the United States of America and for which an application under US 35 U.S.C.111 (a) was filed on 22 August 2013 and given the serial number 13/973,466.

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 GLAXOSMITHICLINE 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;

PATENT REEL: 046224 FRAME: 0745

WHEREAS GLAXOSMITHKLINE LLC a company incorporated in the State of Delaware, USA, whose trading address is 5 Crescent Drive, Philadelphia, Pennsylvania 19112, United States of America, is desirous of acquiring from GLAXO GROUP 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;

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 in turn hereby assigns and transfers to GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in and to the invention and to the invention and in and to the application.

GLAXOSIMITHICLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXO GROUP LIMITED and GLAXO GROUP LIMITED hereby assigns and transfers to GLAXOSIMITHICLINE 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 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, 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 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 24 August 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:		
	Tepher Man Sie	
	lichard Lewis EASEMAN	
	SEC Official of GLAXOSMITHKLINI EARCH AND DEVELOPMENT L IKLINE LLC:	
Signature	Date: <u>16 SEP 201</u>	3

PATENT REEL: 046224 FRAME: 0747

RECORDED: 06/28/2018