

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KATHERINE LOUISA WIDDOWSON	08/28/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED	
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<b>City:</b>	BRENTFORD, MIDDLESEX	
<b>State/Country:</b>	UNITED KINGDOM	
<b>Postal Code:</b>	TW8 9GS	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15505715	
<b>CORRESPONDENCE DATA</b>		
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<b>ATTORNEY DOCKET NUMBER:</b>	PU65752	
<b>NAME OF SUBMITTER:</b>	SUVIAN NESMITH	
<b>SIGNATURE:</b>	/Suvian Nesmith/	
<b>DATE SIGNED:</b>	07/19/2018	
<b>Total Attachments: 3</b>		
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## ASSIGNMENT

WHEREAS I/WE, **Katherine Louisa WIDDOWSON** of King of Prussia, Pennsylvania United States of America, a citizen of Canada, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in METHODS (hereinafter referred to as "the invention and improvements") for which priority application 62/040488 was filed on 22 Aug 2014 in the United States, and for which a PCT international application PCT/IB2015/056325 was filed on 20 Aug 2015

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 the whole right, title and interest in and to said invention and improvements, and in and to any applications for said invention and improvements, including the right to claim priority, and in and to any Letters Patent to be obtained therefor, in all countries, including the United States, its territories and possessions, 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 LLC the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS **GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED** a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, 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, Katherine Louisa WIDDOWSON for good and valuable consideration unto me/us moving, the receipt whereof is hereby acknowledged, have sold, assigned and transferred, and by these presents do sell, assign and transfer my/our whole right, title and interest in and to said invention and improvements to said GLAXOSMITHKLINE LLC, throughout the United States of America, its territories and possessions, and in and to said application, and any extensions, reissues, continuations, continuations-in-part, and any divisions thereof, and in and to any and all Letters Patent of the United States of America, including any priority rights under the International Convention

AND, my/our whole right, title and interest in and to said invention and improvements to GLAXOSMITHKLINE LLC, in all other countries throughout the world, and in and to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries which may be granted on said invention and improvements including any priority rights under the International Convention

GLAXOSMITHKLINE LLC in turn hereby assigns and transfers to GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT 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 GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT 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 LLC 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 GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT 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 GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT 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 **GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT 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 **22 Aug 2014**, the inventor(s) and the Attorney & Authorised Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED have hereunto set their respective hands

Katherine Louisa Widdowson

Katherine Louisa WIDDOWSON

Date: Aug 28, 2015

SIGNED by Loreline B LWF As the Attorney & Authorised Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED:

Janine B. Fay  
Signature

Date: 22 Sept 2015