503338532 06/05/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3385152

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHIEL MARY VAN OORT	07/26/2013
JOHN N. HONG	07/26/2013

RECEIVING PARTY DATA

Name:	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED
Street Address:	980 GREAT WEST ROAD
City:	BRENTFORD, MIDDLESEX
State/Country:	UNITED KINGDOM
Postal Code:	TW8 9GS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14394132

CORRESPONDENCE DATA

Fax Number: (919)483-7977

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.

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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:	PB65151USW (JPR/RFK)
NAME OF SUBMITTER:	JAMES P. RIEK
SIGNATURE:	/James P. Riek/
DATE SIGNED:	06/05/2015

Total Attachments: 4

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PATENT 503338532 REEL: 035795 FRAME: 0656

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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)	2. Name and address of receiving party(ies)			
Michiel Mary VAN OORT	Name: GlaxoSmithKline Intellectual Property Development Limited			
John N. HONG	Internal Address:			
Additional name(s) of conveying party(ies) attached? Yes No	000 Crest West Dead			
3. Nature of conveyance/Execution Date(s):	Street Address: 980 Great West Road			
Execution Date(s) July 26, 2013				
Assignment Merger	City: Brentford, Middlesex			
Security Agreement Change of Name				
Joint Research Agreement Government Interest Assignment	State:			
Executive Order 9424, Confirmatory License	Country: UK Zip: TW8 9GS			
Other	A 1 1917 - 1			
	Additional name(s) & address(es) attached? Yes No document serves as an Oath/Declaration (37 CFR 1.63).			
A. Patent Application No.(s)	B. Patent No.(s)			
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14/394,132				
Additional numbers at	achad? Vos No			
	ached? Yes No			
5. Name and address to whom correspondence concerning document should be mailed:	ached? Yes No 6. Total number of applications and patents involved:			
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5. Name and address to whom correspondence concerning document should be mailed: Name: GlaxoSmithKline	6. Total number of applications and patents			
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$0.00			
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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	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)			
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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	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			
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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: PB65151USw Email Address: USCIPRTP@GSK.COM 9. Signature: /James P. Riek/ Signature	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 James P. Riek 2015-Mar-13 Date Total number of pages including cover sheet, attachments, and documents: 4			

PB65151

ASSIGNMENT

WHEREAS I/WE, John N. HONG a citizen of the United States and Michiel Mary VAN OORT a citizen of Canada, both of Durham, North Carolina, US, (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "Aggregate Particles" (hereinafter referred to as "the invention and improvements") for which priority application 61/623672 was filed on 13 Apr 2012 in the United States, and for which a PCT international application PCT/EP2013/057555 was filed on 11 Apr 2013, designating the

United States of America.

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 in and to any applications for said invention, including the right to claim priority, and in and to and 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, John N. HONG and Michiel Mary VAN OORT, 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 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 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 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 13 Apr 2012, 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.

Inventor Name	Signature	Date		
John N. HONG:		26 Juy 2013		
Michiel Mary VAN OORT:	444	26July 2013		
SIGNED by ACHAR	LEWIS EASEMAN			
as the Attorney & Authorised Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED:				
Signature		13 AUG 2013 Date:		

PATENT REEL: 035795 FRAME: 0661

RECORDED: 06/05/2015