506036576 04/29/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WILLIAM RIPLEY BALLOU JR.	08/04/2015
MARIE-ANGE DEMOITIE	07/22/2015
MARIE-NOELLE RENELLE DONNER	07/22/2015
NADIA OUAKED	07/22/2015
STEPHANE THEOPHILE TEMMERMAN	07/22/2015

RECEIVING PARTY DATA

Name:	GLAXOSMITHKLINE BIOLOGICALS SA
Street Address:	RUE DE L'INSTITUT 89
City:	RIXENSART
State/Country:	BELGIUM
Postal Code:	1330

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15300852

CORRESPONDENCE DATA

Fax Number:

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.

Email: US CIPKOP@GSK.COM

Correspondent Name: GLAXOSMITHKLINE GLOBAL PATENTS UP4110

Address Line 1: 1250 SOUTH COLLEGEVILLE ROAD COLLEGEVILLE, PENNSYLVANIA 19426

ATTORNEY DOCKET NUMBER:	VB65885 US
NAME OF SUBMITTER:	ABIGAIL HEDLEY
SIGNATURE:	/Abigail Hedley/
DATE SIGNED:	04/29/2020

Total Attachments: 6

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VB65885

Assignment

WHEREAS I/WE, William Ripley BALLOU JR a citizen of United States; Marie-Ange DEMOITIE a citizen of Belgium; Marie-Noelle Renelle DONNER a citizen of Belgium; Nadia OUAKED a citizen of Canada; and Stephane Theophile TEMMERMAN a citizen of Belgium all of Rixensart, Belgium (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "NOVEL METHODS FOR INDUCING AN IMMUNE RESPONSE" (hereinafter referred to as "the invention and improvements") for which priority application 1405921.6 was filed on 02 Apr 2014 in the United Kingdom, and for which a PCT international application PCT/EP2015/057423 was filed on 02 Apr 2015, designating the United States of America.

WHEREAS GLAXOSMITHKLINE BIOLOGICALS S.A., a company incorporated in Belgium, whose registered office is at rue de l'Institut 89, B-1330 Rixensart, Belgium, 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, the inventors, hereby confirm the ownership by **GLAXOSMITHKLINE BIOLOGICALS S.A.** of the invention and improvements 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 improvements 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 improvements and to the application based on the law of Belgium), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and improvements and to the application, including the right to claim priority from the application in respect of any subsequent applications, to **GLAXOSMITHKLINE BIOLOGICALS S.A.** in all countries, including the United States of America, its territories and possessions:

AND I/we, the inventors, hereby assign and transfer to GLAXOSMITHKLINE
BIOLOGICALS S.A., my/our whole right title and interest in and to the invention and improvements and the application, 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) hereby authorise and request any patent arising therefrom, in all countries, including the United States, its territories and possessions, be issued to GLAXOSMITHKLINE BIOLOGICALS S.A..

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.

BIOLOGICALS S.A., 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 said GLAXOSMITHKLINE BIOLOGICALS S.A., its successors and assigns, the whole right, title and interest in and to the invention and improvements hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS WHEREOF, and with effect from 02 Apr 2014, I/we the inventors and the Attorney & Authorised Official of GLAXOSMITHKLINE BIOLOGICALS S.A. have hereunto set my/our respective hand(s).

Inventor Name	Signature	Date	
William Ripley BALLOU	JR://2/2010/2	4Aug 2015	
Marie-Ange DEMOITIE:_			

Marie-Noelle Renelle DONNER:
Nadia OUAKED:
Stephane Theophile TEMMERMAN:
Rachel M THORNLEY
As the Attorney & Authorised Official of GLAXOSMITHKLINE BIOLOGICALS S.A.:
Oate: 2 4 SEP 2015

Signature

VB65885

Assignment

WHEREAS I/WE, William Ripley BALLOU JR a citizen of United States; Marie-Ange DEMOITIE a citizen of Belgium; Marie-Noelle Renelle DONNER a citizen of Belgium; Nadia OUAKED a citizen of Canada; and Stephane Theophile TEMMERMAN a citizen of Belgium all of Rixensart, Belgium (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "NOVEL METHODS FOR INDUCING AN IMMUNE RESPONSE" (hereinafter referred to as "the invention and improvements") for which priority application 1405921.6 was filed on 02 Apr 2014 in the United Kingdom, and for which a PCT international application PCT/EP2015/057423 was filed on 02 Apr 2015, designating the United States of America.

WHEREAS GLAXOSMITHKLINE BIOLOGICALS S.A., a company incorporated in Belgium, whose registered office is at rue de l'Institut 89, B-1330 Rixensart, Belgium, 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, the inventors, hereby confirm the ownership by GLAXOSMITHKLINE BIOLOGICALS S.A. of the invention and improvements 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 improvements 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 improvements and to the application based on the law of Belgium), I/we the inventor(s) nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and improvements and to the application, including the right to claim priority from the application in respect of any subsequent applications, to GLAXOSMITHKLINE BIOLOGICALS S.A. in all countries, including the United States of America, its territories and possessions;

AND I/we, the inventors, hereby assign and transfer to GLAXOSMITHKLINE BIOLOGICALS S.A., my/our whole right title and interest in and to the invention and improvements and the application, 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) hereby authorise and request any patent arising therefrom, in all countries, including the United States, its territories and possessions, be issued to GLAXOSMITHKLINE BIOLOGICALS S.A..

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 BIOLOGICALS S.A., 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 said GLAXOSMITHKLINE BIOLOGICALS S.A., its successors and assigns, the whole right, title and interest in and to the invention and improvements hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS WHEREOF, and with effect from 02 Apr 2014, I/we the inventors and the Attorney & Authorised Official of GLAXOSMITHKLINE BIOLOGICALS S.A. have hereunto set my/our respective hand(s).

Signature

Inventor Name

William Ripley BALLOU JR:		
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Marie-Ange DEMOITIE:	<u> ZBANANA 44</u>	<u> 2-7 poly - 2008</u>

PATENT REEL: 052523 FRAME: 0273

Maria

Marie-Noelle Renelle DONNER:
Nadia OUAKED: //Lia Chaked
Stephane Theophile TEMMERMAN:
· ·
SIGNED byRachel M THORNLEY
As the Attorney & Authorised Official of GLAXOSMITHKLINE BIOLOGICALS S.A.:
2 4 SEP 2015 Date:
Signature

PATENT REEL: 052523 FRAME: 0274

RECORDED: 04/29/2020