

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3517240

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES BAILEY	02/11/2011
ROMAIN LUC MARIE GOSMINI	02/28/2011
OLIVIER MIRGUET	02/28/2011
JASON WITHERINGTON	03/03/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GLAXOSMITHKLINE LLC
<b>Street Address:</b>	2711 CENTERVILLE ROAD, SUITE 400
<b>City:</b>	WILMINGTON
<b>State/Country:</b>	DELAWARE
<b>Postal Code:</b>	19808
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14753326
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	919-483-2370
<b>Email:</b>	usciprtp@gsk.com
<b>Correspondent Name:</b>	GLAXOSMITHKLINE
<b>Address Line 1:</b>	FIVE MOORE DRIVE
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<b>Address Line 4:</b>	RESEARCH TRIANGLE PA, NORTH CAROLINA 27709
<b>ATTORNEY DOCKET NUMBER:</b>	PB63997C1US (RHB/VP)
<b>NAME OF SUBMITTER:</b>	VALERIE L. PHILLIPS
<b>SIGNATURE:</b>	/Valerie L. Phillips/
<b>DATE SIGNED:</b>	09/09/2015
<b>Total Attachments: 9</b>	
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**ASSIGNMENT**

WHEREAS I/WE, **James BAILEY** a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom and **Jason WITHERINGTON** a citizen of 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 **0919433.3, 1010509.6, PCT/EP2010/061518 and 1014231.3** were filed on **05 Nov 2009, 22 June 2010, 06 August 2010 and 25 August 2010** in the United Kingdom and at the European Patent Office respectively, and for which a PCT international application **PCT/EP2010/066697** was filed on **03 Nov 2010**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

**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 Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, 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 United States of America, whose trading address is One Franklin Plaza, 200 North 16<sup>th</sup> Street, Philadelphia, Pennsylvania 19102, 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 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 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 **05 Nov 2009**, 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

James BAILEY:



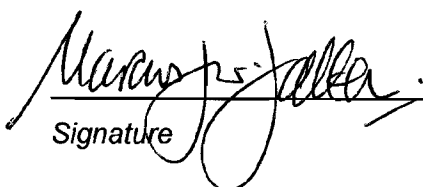
28.2.11

Jason WITHERINGTON:

J. WITHERINGTON 3<sup>rd</sup> MARCH 2011

SIGNED by Marcus Jonathan William DALTON

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

  
Signature

Date: 17 MAR 2011

## ASSIGNMENT

WHEREAS I/WE, **Romain Luc Marie GOSMINI** a citizen of France of Les Ulis, France and **Olivier MIRQUET** a citizen of France of Les Ulis, France (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 **0919433.3**, **1010509.6**, **PCT/EP2010/061518** and **1014231.3** were filed on **05 Nov 2009**, **22 June 2010**, **06 August 2010** and **25 August 2010** in the **United Kingdom** and at the **European Patent Office** respectively and for which a PCT international application **PCT/EP2010/066697** was filed on **03 Nov 2010**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

**WHEREAS** the invention, being made in the course of my employment, belongs to my/our employer at that time, namely **LABORATOIRE GLAXOSMITHKLINE S.A.S.**, a company incorporated in France whose registered address is 100 route de Versailles, 78163 Marly-le-Roi, France, and

**WHEREAS LABORATOIRE GLAXOSMITHKLINE S.A.S.** 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 **LABORATOIRE GLAXOSMITHKLINE S.A.S.** 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 Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, England, is desirous of acquiring 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 United States of America, whose trading address is One Franklin Plaza, 200 North 16<sup>th</sup> Street, Philadelphia, Pennsylvania 19102, United States of America, is desirous of acquiring 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 **LABORATOIRE GLAXOSMITHKLINE S.A.S.** 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 France), 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 **LABORATOIRE GLAXOSMITHKLINE S.A.S.. LABORATOIRE GLAXOSMITHKLINE S.A.S.** 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 **LABORATOIRE GLAXOSMITHKLINE S.A.S., 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 LABORATOIRE GLAXOSMITHKLINE S.A.S., 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 **05 Nov 2009**, the inventor(s) and the Attorney & Authorised Official of **LABORATOIRE GLAXOSMITHKLINE S.A.S., GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, GLAXO GROUP LIMITED** and **GLAXOSMITHKLINE LLC** have hereunto set their respective hands.

**Inventor Name**

**Signature**

**Date**

**Romain Luc Marie GOSMINI:**

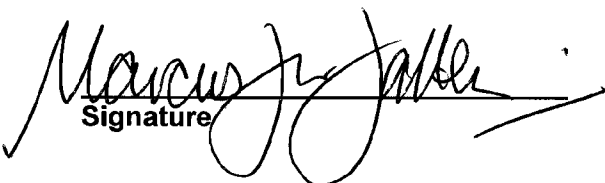
 28 February 2011

**Olivier MIRGUET:**

\_\_\_\_\_

**SIGNED by Marcus Jonathan William DALTON**

As the Attorney & Authorised Official of **LABORATOIRE GLAXOSMITHKLINE S.A.S., GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, GLAXO GROUP LIMITED** and **GLAXOSMITHKLINE LLC**

 Date: 17 MAR 2011

Signature



## ASSIGNMENT

WHEREAS I/WE, **Romain Luc Marie GOSMINI** a citizen of France of Les Ulis, France and **Olivier MIRGUET** a citizen of France of Les Ulis, France (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 **0919433.3**, **1010509.6**, **PCT/EP2010/061518** and **1014231.3** were filed on **05 Nov 2009**, **22 June 2010**, **06 August 2010** and **25 August 2010** in the **United Kingdom** and at the **European Patent Office respectively** and for which a PCT international application **PCT/EP2010/066697** was filed on **03 Nov 2010**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

**WHEREAS** the invention, being made in the course of my employment, belongs to my/our employer at that time, namely **LABORATOIRE GLAXOSMITHKLINE S.A.S.**, a company incorporated in France whose registered address is 100 route de Versailles, 78163 Marly-le-Roi, France, and

**WHEREAS LABORATOIRE GLAXOSMITHKLINE S.A.S.** has authorised and requested our making the application, and

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**NOW, THEREFORE**, to all whom it may concern be it known that I/we, the inventor(s), hereby confirm the ownership by **LABORATOIRE GLAXOSMITHKLINE S.A.S.** 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 France), 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 **LABORATOIRE GLAXOSMITHKLINE S.A.S.. LABORATOIRE GLAXOSMITHKLINE S.A.S.** 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 **LABORATOIRE GLAXOSMITHKLINE S.A.S., 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 LABORATOIRE GLAXOSMITHKLINE S.A.S., 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 **05 Nov 2009**, the inventor(s) and the Attorney & Authorised Official of **LABORATOIRE GLAXOSMITHKLINE S.A.S., GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, GLAXO GROUP LIMITED** and **GLAXOSMITHKLINE LLC** have hereunto set their respective hands.

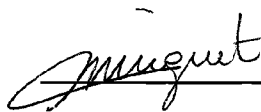
Inventor Name

Signature

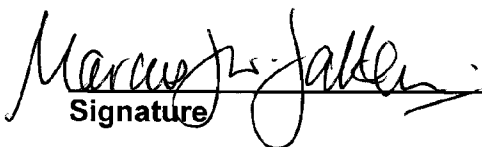
Date

Romain Luc Marie GOSMINI: \_\_\_\_\_

Olivier MIRGUET: \_\_\_\_\_

February 28<sup>th</sup>, 2011**SIGNED by Marcus Jonathan William DALTON**

As the Attorney & Authorised Official of **LABORATOIRE GLAXOSMITHKLINE S.A.S., GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, GLAXO GROUP LIMITED** and **GLAXOSMITHKLINE LLC**

  
SignatureDate: 17 MAR 2011