

**JOSE LLORED CAMACHO & CO.**

**ABOGADOS**

Calle 72 No. 5-83 Piso 5, Bogotá, D.C. Tel: 6069700 Fax 6069701

Señor

SUPERINTENDENTE DE INDUSTRIA Y COMER

DIVISIÓN DE NUEVAS CREACIONES

E. S.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



**No. 13-197322- -00002-0000**

Fecha: 2013-10-22 17:00:04 Dep. 2020 DIR.NUEVASCR  
Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI  
Act. 444 RESPUESTAREQUE Folios: 20

Re: PI.-GLAXO GROUP LIMITED.-Solicitud de Patente de Modelo de  
Utilidad en Fase Nacional para "PIRIDINILO- Y PIRAZINILO-  
METILOXI - ARILO DERIVADOS ÚTILES COMO INHIBIDORES DE  
TIROSINA QUINASA DEL BAZO (SYK)".-Clase C07D 401/12.-  
Expediente número 13-197.322.-

1. Me refiero al Oficio No. **16257** dictado por ese Despacho notificado por fijación en lista el 3 de Septiembre de 2013.
2. Dando respuesta al mencionado requerimiento y estando dentro del término establecido, atentamente me permito presentar a ese Despacho el documento que acredita el traspaso que los inventores de la patente de la referencia hacen a favor de mi representado de los derechos sobre la misma.
3. Ruego a usted tomar atenta nota de lo anterior y proceder de conformidad.

Señor Superintendente,

ALICIA LLORED RICAURTE

T. P. 53.215

Dirección para Notificaciones: [notificacionespatentes@lloredacamacho.com](mailto:notificacionespatentes@lloredacamacho.com)

TRADUCCION OFICIAL No. 2013-10-07-521  
DE UN DOCUMENTO ESCRITO EN INGLES

---

**DE PINNA**  
**Notarios**

Yo, JAMES KERR MILLIGAN, Notario Público de la Ciudad de Londres y en todas partes en Inglaterra, por Autoridad Real, debidamente admitido y juramentado, ejerciendo en dicha Ciudad,

POR EL PRESENTE CERTIFICO Y TESTIFICO:

QUE el documento adjunto al presente es una copia fotográfica fiel y leal de cuatro copias originales de un Traspaso, habiendo sido dicha documentos original producido ante mí, el suscrito Notario, y debidamente devuelto.

EN TESTIMONIO DE LO CUAL, he colocado mi firma y puesto mi Sello de Oficina en la Ciudad de Londres anteriormente mencionada, este día cinco de septiembre del año dos mil trece.

(firma: ilegible)  
James Kerr Milligan  
Notario Público de Londres, Inglaterra

**TRASPASO**

POR CUANTO yo/nosotros, Francis Louis ATKINSON, ciudadano del Reino Unido c/o Stevenage, Hertfordshire, Reino Unido, Michael David BARKER, ciudadano del Reino Unido de Stevenage, Hertfordshire, Reino Unido, John LIDDLE, ciudadano del Reino Unido de Stevenage, Hertfordshire, Reino Unido, y David Matthew WILSON ciudadano del Reino Unido de Stevenage, Hertfordshire, Reino Unido, (en adelante llamados "el inventor(es)") he/hemos inventado o descubierto ciertas mejoras en "PIRIDINILO- Y PIRAZINILO- METILOXI – ARILO DERIVADOS UTILES COMO INHIBIDORES DE TIROSINA QUINASA DEL BAZO (SYK), (en adelante llamada "la invención y mejoras") para la cual se presentó solicitud de prioridad 1104153.0 el 11 de marzo de 2011 en el Reino Unido, y para la cual se presentó una solicitud internacional del PCT PCT/EP2012/053948 el 08 de marzo de 2012, designando a los Estados Unidos de América y nombrando cedente como inventor, y en Estados Unidos de América únicamente solicitante/inventor.

POR CUANTO la invención y mejoras, habiendo sido hechas en el curso de mi empleo, pertenecen a mi/nuestro empleador en ese momento, a saber GLAXOSMITHKLINE SERVICES UNLIMITED, una sociedad constituida en Inglaterra cuyo domicilio registrado es 980 Great West Road, Brentford, Middlesex TW8 9GS, Inglaterra, y

POR CUANTO GLAXOSMITHKLINE SERVICES UNLIMITED ha autorizado y solicitado que hagamos la solicitud, y

POR CUANTO GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, una sociedad constituida en Inglaterra cuyo domicilio registrado es 980 Great West Road, Brentford, Middlesex TW8 9GS, Inglaterra, desea adquirir de GLAXOSMITHKLINE SERVICES UNLIMITED todo derecho, título e interés en y de la invención y mejoras y en y de la solicitud, y

POR CUANTO GLAXO GROUP LIMITED, una sociedad constituida en Inglaterra cuyo domicilio registrado es Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 0NN, Inglaterra, desea adquirir todo derecho, título e interés en y de la invención y mejoras y en y de cualquier solicitud para la invención y mejoras y cualquier Patente de Invención que se obtenga por lo tanto, en todos los países, incluyendo los Estados Unidos de América, sus territorios y posesiones;

AHORA, POR LO TANTO, a todos a quienes concierna sépase que yo/nosotros, el inventor(es), por el presente confirmo la propiedad de GLAXOSMITHKLINE SERVICES UNLIMITED de la invención y mejoras y la solicitud por operación de ley y, si bajo la ley de los Estados Unidos de América yo/nosotros el inventor(es) tengo un derecho, título e interés de propiedad en y de la invención y mejoras y la solicitud, (que no creo que sea el caso y no reivindico ningún derecho, título e interés de propiedad en y de la invención y mejoras y la solicitud con base en la ley del Reino Unido), yo/nosotros el inventor(es) sin embargo por el presente cedo y transfiero dicho derecho, título e interés de propiedad en y de la invención y mejoras y la solicitud, incluyendo el derecho a reivindicar prioridad de la solicitud respecto de cualquier solicitud subsiguiente, a GLAXOSMITHKLINE SERVICES UNLIMITED. GLAXOSMITHKLINE SERVICES UNLIMITED a su vez por el presente cede y transfiere a GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED todo su derecho, título e interés en y de la invención y mejoras y en y de la solicitud.

GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED a su vez por el presente cede y transfiere a GLAXO GROUP LIMITED todo su derecho, título e interés en todos los países, incluyendo los Estados Unidos de América, sus territorios y posesiones en y de la invención y mejoras y en y de solicitud incluyendo el derecho a reivindicar prioridad de la solicitud respecto de cualquier solicitud subsiguiente de la misma, y en y de cualquier solicitud divisional, continuación o continuación en parte de la misma, y en y de cualquier Certificado de Protección Complementario, extensión o reexpedición de ello, y yo/nosotros el inventor(es) y GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED por el presente autorizan y solicitan que una patente que surja de ello, en todos los países, incluyendo los Estados Unidos de América, sus territorios y posesiones, sea expedida a GLAXO GROUP LIMITED;

Y GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED por el presente, y yo/nosotros el inventor(es) para mi/nosotros mismos y mi/nuestros respectivos ejecutores testamentarios y representantes legales por el presente, acordamos a solicitud y costo de GLAXO GROUP LIMITED proporcionar información y ejecutar y entregar cualquiera y todos los otros instrumentos escritos, y cualquiera y todos los actos, solicitudes, papeles, affidávit, traspasos y otros documentos adicionales que sean posibles y necesarios o deseables para asegurar y traspasar más efectivamente en GLAXO GROUP LIMITED, sus sucesores y cesionarios, todo el derecho, título e interés en y de la invención y mejoras y en y de la solicitud por el presente traspasada y transferida en todos los países, incluyendo los Estados Unidos de América, sus territorios y posesiones.

EN TESTIMONIO DE LO CUAL, y con vigencia desde el 11 de marzo de 2011, el inventor(es) y Apoderado & Funcionario Autorizado de GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED y GLAXO GROUP LIMITED en virtud de los Poderes otorgados por GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED y GLAXO GROUP LIMITED han colocado sus respectivas firmas.

| Nombre del Inventor                                                                                                                                                                   | Firma                      | Fecha                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----------------------|
| Francis Louis ATKINSON                                                                                                                                                                | (firma: ilegible)          | 16 / 4 / 2012         |
| FIRMADO por Wendy Anne Filler como Apoderado & Funcionario Autorizado de GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED y GLAXO GROUP LIMITED. |                            |                       |
| (firma: ilegible)                                                                                                                                                                     | Fecha: 20 de abril de 2012 |                       |
| Michael David BARKER <sup>1</sup>                                                                                                                                                     | (firma: ilegible)          | (ilegible) / 4 / 2012 |
| FIRMADO por Wendy Anne Filler como Apoderado & Funcionario Autorizado de GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED y GLAXO GROUP LIMITED. |                            |                       |
| (firma: ilegible)                                                                                                                                                                     | Fecha: 20 de abril de 2012 |                       |
| John LIDDLE                                                                                                                                                                           | (firma: ilegible)          | 5 / 4 / 2012          |
| FIRMADO por Wendy Anne Filler como Apoderado & Funcionario Autorizado de GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED y GLAXO GROUP LIMITED. |                            |                       |
| (firma: ilegible)                                                                                                                                                                     | Fecha: 20 de abril de 2012 |                       |
| David Matthew WILSON                                                                                                                                                                  | (firma: ilegible)          | 4 / 4 / 2012          |
| FIRMADO por Wendy Anne Filler como Apoderado & Funcionario Autorizado de GLAXOSMITHKLINE SERVICES UNLIMITED y GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED y GLAXO GROUP LIMITED. |                            |                       |
| (firma: ilegible)                                                                                                                                                                     | Fecha: 20 de abril de 2012 |                       |

Traducido según mi mejor saber y entender, este día 7 de octubre de 2013, en la ciudad de Bogotá, D.C., por Anita Escobar de Tamayo, Traductora Oficial, Res. 2177 de 1989, Ministerio de Justicia, República de Colombia.

<sup>1</sup> Nota del Traductor: No se repite el texto, se incluyen todas las firmas en una sola página.

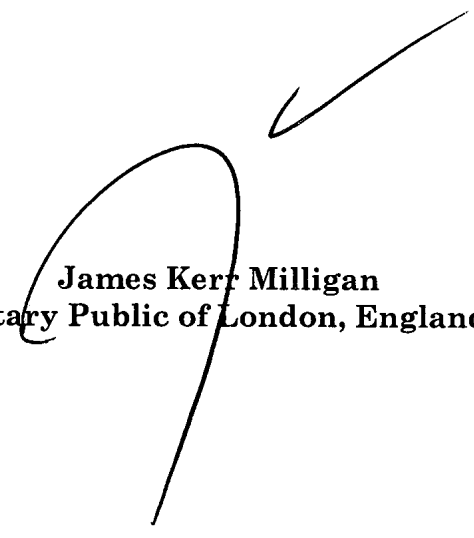
TRADUCTORA OFICIAL  
RES. 2177/89 MINJUSTICIA  
  
ANITA ESCOBAR DE TAMAYO  
{479091.DOC v.1} 4

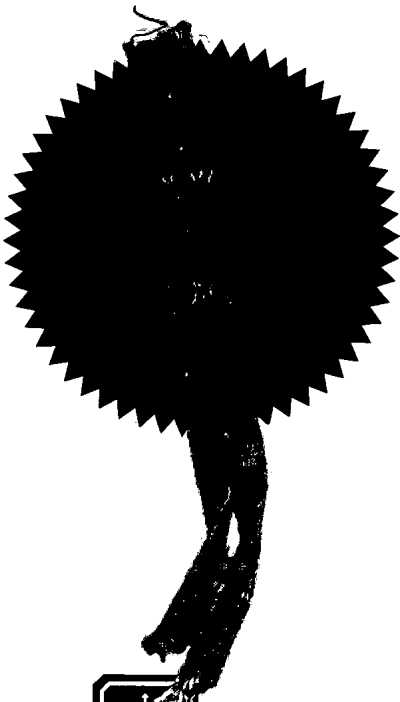
I, **James Kerr Milligan**, Notary Public of the City of London and elsewhere in England, by Royal Authority, duly admitted and sworn, practising in the said City,

**DO HEREBY CERTIFY AND ATTEST:**

**THAT** the document hereunto annexed is a true and faithful photographic copy of four original counterparts of an Assignment, such original documents having this day been produced to me, the undersigned Notary, and duly returned.

**IN TESTIMONY WHEREOF** I have hereunto set my hand and affixed my Seal of Office in the City of London aforesaid, this fifth day of September in the year Two thousand and thirteen.

  
**James Kerr Milligan**  
Notary Public of London, England



## ASSIGNMENT

WHEREAS I/WE, **Francis Louis ATKINSON** a citizen of United Kingdom c/o **Stevenage, Hertfordshire, United Kingdom**, **Michael David BARKER** a citizen of United Kingdom of **Stevenage, Hertfordshire, United Kingdom**, **John LIDDLE** a citizen of United Kingdom of **Stevenage, Hertfordshire, United Kingdom** and **David Matthew WILSON** 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 application **1104153.0** was filed on **11 Mar 2011** in the **United Kingdom**, and for which a PCT international application **PCT/EP2012/053948** was filed on **08 Mar 2012**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

WHEREAS the invention and improvements, being made in the course of my employment, belong 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 improvements 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 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 inventor(s), hereby confirm the ownership by **GLAXOSMITHKLINE SERVICES UNLIMITED** 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 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 improvements 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 improvements and in and to the application.

**GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP 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 SERVICES UNLIMITED** 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 **GLAXO GROUP 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 **GLAXO GROUP 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 **GLAXO**

**GROUP 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 **11 Mar 2011**, the inventor(s) and the Attorney & Authorised Official of **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** by virtue of Powers of Attorney granted by **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** have hereunto set their respective hands.

Inventor Name

Signature

Date

Francis Louis ATKINSON:



16/4/2012

Michael David BARKER:

John LIDDLE:

David Matthew WILSON:

SIGNED by WENDY ANNE FILLER

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

WAF  
Signature

Date: 20<sup>th</sup> APRIL 2012

## ASSIGNMENT

WHEREAS I/WE, Francis Louis ATKINSON a citizen of United Kingdom c/o Stevenage, Hertfordshire, United Kingdom, Michael David BARKER a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom, John LIDDLE a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom and David Matthew WILSON 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 application **1104153.0** was filed on **11 Mar 2011** in the **United Kingdom**, and for which a PCT international application **PCT/EP2012/053948** was filed on **08 Mar 2012**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

**WHEREAS** the invention and improvements, being made in the course of my employment, belong 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 improvements 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 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 inventor(s), hereby confirm the ownership by **GLAXOSMITHKLINE SERVICES UNLIMITED** 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 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 improvements 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 improvements and in and to the application.

**GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP 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 SERVICES UNLIMITED** 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 **GLAXO GROUP 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 **GLAXO GROUP 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 **GLAXO**

**GROUP 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 **11 Mar 2011**, the inventor(s) and the Attorney & Authorised Official of **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** by virtue of Powers of Attorney granted by **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** have hereunto set their respective hands.

**Inventor Name**

**Signature**

**Date**

**Francis Louis ATKINSON:** \_\_\_\_\_

**Michael David BARKER:** Michael Barker OK - APRIL 2012

**John LIDDLE:** \_\_\_\_\_

**David Matthew WILSON:** \_\_\_\_\_

SIGNED by WENDY ANNE FILLER

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

WAF

Signature

Date: 20<sup>th</sup> APRIL 2012

## ASSIGNMENT

WHEREAS I/WE, **Francis Louis ATKINSON** a citizen of United Kingdom c/o Stevenage, Hertfordshire, United Kingdom, **Michael David BARKER** a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom, **John LIDDLE** a citizen of United Kingdom of Stevenage, Hertfordshire, United Kingdom and **David Matthew WILSON** 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 application **1104153.0** was filed on **11 Mar 2011** in the **United Kingdom**, and for which a PCT international application **PCT/EP2012/053948** was filed on **08 Mar 2012**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

**WHEREAS** the invention and improvements, being made in the course of my employment, belong 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 improvements 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 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 inventor(s), hereby confirm the ownership by **GLAXOSMITHKLINE SERVICES UNLIMITED** 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 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 improvements 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 improvements and in and to the application.

**GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP 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 SERVICES UNLIMITED** 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 **GLAXO GROUP 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 **GLAXO GROUP 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 **GLAXO**

**GROUP 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 **11 Mar 2011**, the inventor(s) and the Attorney & Authorised Official of **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** by virtue of Powers of Attorney granted by **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** have hereunto set their respective hands.

| Inventor Name           | Signature          | Date                             |
|-------------------------|--------------------|----------------------------------|
| Francis Louis ATKINSON: | _____              | _____                            |
| Michael David BARKER:   | _____              | _____                            |
| John LIDDLE:            | <u>John Liddle</u> | <u>5<sup>TH</sup> APRIL 2012</u> |
| David Matthew WILSON:   | _____              | _____                            |

**SIGNED** by WENDY ANNE FILLER

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

WAF  
Signature

Date: 20<sup>th</sup> APRIL 2012

## ASSIGNMENT

WHEREAS I/WE, **Francis Louis ATKINSON** a citizen of United Kingdom c/o **Stevenage, Hertfordshire, United Kingdom**, **Michael David BARKER** a citizen of United Kingdom of **Stevenage, Hertfordshire, United Kingdom**, **John LIDDLE** a citizen of United Kingdom of **Stevenage, Hertfordshire, United Kingdom** and **David Matthew WILSON** 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 application **1104153.0** was filed on **11 Mar 2011** in the **United Kingdom**, and for which a PCT international application **PCT/EP2012/053948** was filed on **08 Mar 2012**, designating the United States of America and naming assignor as inventor, and in the United States only applicant/inventor.

WHEREAS the invention and improvements, being made in the course of my employment, belong 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 improvements 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 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 inventor(s), hereby confirm the ownership by **GLAXOSMITHKLINE SERVICES UNLIMITED** 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 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 improvements 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 improvements and in and to the application.

**GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP 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 SERVICES UNLIMITED** 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 **GLAXO GROUP 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 **GLAXO GROUP 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 **GLAXO**

**GROUP 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 **11 Mar 2011**, the inventor(s) and the Attorney & Authorised Official of **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** by virtue of Powers of Attorney granted by **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** and **GLAXO GROUP LIMITED** have hereunto set their respective hands.

**Inventor Name**

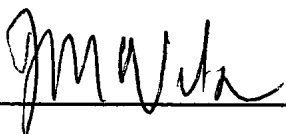
**Signature**

**Date**

**Francis Louis ATKINSON:** \_\_\_\_\_

**Michael David BARKER:** \_\_\_\_\_

**John LIDDLE:** \_\_\_\_\_

**David Matthew WILSON:**                                          .                     4-4-2012

SIGNED by WENDY ANNE FILLER

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

Wendy Anne Filler

Signature

Date: 20<sup>th</sup> APRIL 2012