

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the Add additional Inventor (Assignor) not listed on the original paperwork. previously recorded on Reel 023394 Frame 0111. Assignor(s) hereby confirms the Include Inventor (Assignor) Dean Andrew RIVERS, not previously listed on original paperwork.												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Mahmood AHMED</td><td>06/03/2008</td></tr><tr><td>Gerard Martin Paul GIBLIN</td><td>05/29/2008</td></tr><tr><td>James MYATT</td><td>05/29/2008</td></tr><tr><td>David NORTON</td><td>06/17/2008</td></tr><tr><td>Dean Andrew RIVERS</td><td>06/03/2008</td></tr></tbody></table>		Name	Execution Date	Mahmood AHMED	06/03/2008	Gerard Martin Paul GIBLIN	05/29/2008	James MYATT	05/29/2008	David NORTON	06/17/2008	Dean Andrew RIVERS	06/03/2008
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CORRESPONDENCE DATA													
Fax Number: (610)270-5253 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone: 610-270-5019													
Email: US_CIPKOP@GSK.com													
Correspondent Name: GlaxoSmithKline													
Address Line 1: 709 Swedeland Road													
Address Line 2: CIP UW2220													
Address Line 4: King of Prussia, PENNSYLVANIA 19406													
ATTORNEY DOCKET NUMBER:	PB62423												

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PATENT
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NAME OF SUBMITTER:

Linda E. Hall

Total Attachments: 12

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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
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ATTORNEY DOCKET NUMBER:	PB62423										
NAME OF SUBMITTER:	Linda E. Hall										
Total Attachments: 8											

CH \$40.00 12596488

TO: GLAXOSMITHKLINE COMPANY: 709 SWEDLAND ROAD

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ASSIGNMENT

WHEREAS I/WE, **Mahmood AHMED and Dean Andrew RIVERS** both of **Singapore** and **Gerard Martin Paul GIBLIN, James MYATT and David NORTON** all of **Harlow, Essex, GB** (hereinafter called "the inventor(s)") have invented or discovered **COMPOUNDS** (hereinafter called "the invention") for which applications for Letters Patent were filed in the United Kingdom on *19 April 2007 and 2 April 2008* under application numbers *0707617.7 and 0805993.3* respectively, and for which a PCT international application is now being filed designating the United States of America. I/We hereby authorize and request that the filing date and PCT International application number, when known, be inserted here in parentheses;

(PCT Application No *PCT/EP2008/054647*, filed *17 April 2008*)

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 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;

PATENT

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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 **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** 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** 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** 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

PATENT

REEL: 023429 FRAME: 0101


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 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 *19 April 2007*, the inventor(s) and **Peter John GIDDINGS** as Attorney of **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT** and **GLAXOSMITHKLINE SERVICES UNLIMITED** by virtue of a Powers of Attorney granted by **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT** and **GLAXOSMITHKLINE SERVICES UNLIMITED** have hereunto set their respective hands.

SIGNED by Mahmood AHMED:

Date: _____

SIGNED by Gerard Martin Paul GIBLIN:

X  _____

Date: X 29 MAY 2008

SIGNED by James MYATT:

X  _____

Date: X 29th May 2008

SIGNED by David NORTON:

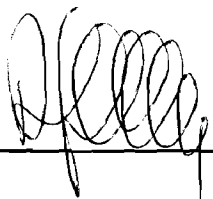
X  _____

Date: X 17th June 2008

SIGNED by Dean Andrew RIVERS: _____

Date: _____

**SIGNED by Peter John GIDDINGS as the Attorney of GLAXOSMITHKLINE
RESEARCH AND DEVELOPMENT and GLAXOSMITHKLINE SERVICES
UNLIMITED**



Date: 23 JUN 2008

ASSIGNMENT

WHEREAS I/WE, **Mahmood AHMED and Dean Andrew RIVERS** both of **Singapore** and **Gerard Martin Paul GIBLIN, James MYATT and David NORTON** all of **Harlow, Essex, GB** (hereinafter called "the inventor(s)") have invented or discovered **COMPOUNDS** (hereinafter called "the invention") for which applications for Letters Patent were filed in the United Kingdom on *19 April 2007 and 2 April 2008* under application numbers *0707617.7 and 0805993.3* respectively, and for which a PCT international application is now being filed designating the United States of America. I/We hereby authorize and request that the filing date and PCT International application number, when known, be inserted here in parentheses;

(PCT Application No *PCT/EP2008/054647*, filed *17 April 2008*)

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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;

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** its whole right, title and interest in and to the invention and in and to the application.

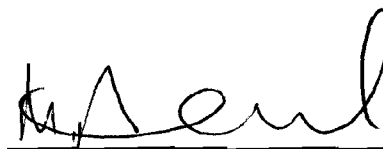
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AND GLAXOSMITHKLINE SERVICES UNLIMITED and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of **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 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 *19 April 2007*, the inventor(s) and **Peter John GIDDINGS** as Attorney of **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT** and **GLAXOSMITHKLINE SERVICES UNLIMITED** by virtue of a Powers of Attorney granted by **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT** and **GLAXOSMITHKLINE SERVICES UNLIMITED** have hereunto set their respective hands.

SIGNED by Mahmood AHMED:



Date: 03 JUNE 2008

SIGNED by Gerard Martin Paul GIBLIN:

Date: _____

SIGNED by James MYATT:

Date: _____

SIGNED by David NORTON:

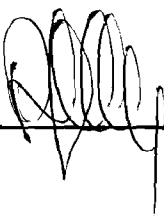
Date: _____

SIGNED by Dean Andrew RIVERS:

D. M.

Date: 3rd June 2008

**SIGNED by Peter John GIDDINGS as the Attorney of GLAXOSMITHKLINE
RESEARCH AND DEVELOPMENT and GLAXOSMITHKLINE SERVICES
UNLIMITED**



Date: 18 JUN 2008