

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE:   | NEW ASSIGNMENT             |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
|--|----------------------------|---------------|---------------------|---------------------|----------------------|------------------------------------|----------------------------|--|------------|----------------|----------------|--------------|---------|
| NATURE OF CONVEYANCE:  | ASSIGNMENT                 |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <b>CONVEYING PARTY DATA</b>  |                            |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Grahame Woollam</td> <td>09/07/2009</td> </tr> <tr> <td>Glaxosmithkline Services Unlimited</td> <td>09/11/2009</td> </tr> <tr> <td>Glaxosmithkline Research and Development Limited</td> <td>09/11/2009</td> </tr> </tbody> </table>                           |                            | Name          | Execution Date      | Grahame Woollam     | 09/07/2009           | Glaxosmithkline Services Unlimited | 09/11/2009                 | Glaxosmithkline Research and Development Limited | 09/11/2009 |                |                |              |         |
| Name   | Execution Date             |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Grahame Woollam  | 09/07/2009                 |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Glaxosmithkline Services Unlimited   | 09/11/2009                 |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Glaxosmithkline Research and Development Limited   | 09/11/2009                 |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <b>RECEIVING PARTY DATA</b>  |                            |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Glaxo Group Limited</td> </tr> <tr> <td>Street Address:</td> <td>Glaxo Wellcome House</td> </tr> <tr> <td>Internal Address:</td> <td>Berkeley Avenue, Greenford</td> </tr> <tr> <td>City:</td> <td>Middlesex</td> </tr> <tr> <td>State/Country:</td> <td>UNITED KINGDOM</td> </tr> <tr> <td>Postal Code:</td> <td>UB6 0NN</td> </tr> </table> |                            | Name:         | Glaxo Group Limited | Street Address:     | Glaxo Wellcome House | Internal Address:                  | Berkeley Avenue, Greenford | City:  | Middlesex  | State/Country: | UNITED KINGDOM | Postal Code: | UB6 0NN |
| Name:  | Glaxo Group Limited        |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Street Address:  | Glaxo Wellcome House       |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Internal Address:  | Berkeley Avenue, Greenford |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| City:  | Middlesex                  |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| State/Country:   | UNITED KINGDOM             |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Postal Code:   | UB6 0NN                    |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| PROPERTY NUMBERS Total: 1  |                            |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12835964</td> </tr> </tbody> </table>  |                            | Property Type | Number              | Application Number: | 12835964             |                                    |                            |  |            |                |                |              |         |
| Property Type  | Number                     |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| Application Number:  | 12835964                   |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <b>CORRESPONDENCE DATA</b>   |                            |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <p>Fax Number: (650)808-6078</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6508086000</p> <p>Email: lchuakay@theravance.com</p> <p>Correspondent Name: Theravance, Inc.</p> <p>Address Line 1: 901 Gateway Boulevard</p> <p>Address Line 4: South San Francisco, CALIFORNIA 94080</p>  |                            |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| ATTORNEY DOCKET NUMBER:  | P-257-US1                  |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| NAME OF SUBMITTER:   | Shelley Eberle             |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |
| <p>Total Attachments: 3</p> <p>source=P-257-PR1_ExecutedAssignment1#page1.tif</p>  |                            |               |                     |                     |                      |                                    |                            |  |            |                |                |              |         |

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**PATENT**  
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## ASSIGNMENT

WHEREAS I/WE, **Grahame WOOLLAM**, a British subject, of Horsham, West Sussex, GB (hereinafter called "the inventor(s)") have invented or discovered **CRYSTALLINE FREEBASE FORMS OF A BIPHENYL COMPOUND** (hereinafter called "the invention") for which a provisional application under 35 U.S.C. §111(b) was filed in the United States of America on *15 July 2009* under application number *61/225,803*.

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;

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

**PATENT**

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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 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 *15 July 2009*, 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 Grahame WOOLLAM:**

**Date:**

**SIGNED by Peter John GIDDINGS** as the Attorney of **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT, GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXO GROUP LIMITED**.

  
**Name:** PETER JOHN GIDDINGS  
**Attorney and Authorised Official**

**Date:**

**11 SEP 2009**