

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | |
|--|-------------------------------------|----------------|----------------------|------------|----------------------|------------|----------------------|------------|---------------------|------------|-------------------------|------------|---------------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jonathan Henry ELLIS</td><td>04/27/2005</td></tr><tr><td>Volker GERMASCHEWSKI</td><td>05/03/2005</td></tr><tr><td>Christopher PLUMPTON</td><td>05/04/2005</td></tr><tr><td>Alexandre EON-DUVAL</td><td>04/25/2005</td></tr><tr><td>Nicholas Timothy RAPSON</td><td>05/05/2005</td></tr><tr><td>Michael Robert WEST</td><td>05/06/2005</td></tr></tbody></table> | Name | Execution Date | Jonathan Henry ELLIS | 04/27/2005 | Volker GERMASCHEWSKI | 05/03/2005 | Christopher PLUMPTON | 05/04/2005 | Alexandre EON-DUVAL | 04/25/2005 | Nicholas Timothy RAPSON | 05/05/2005 | Michael Robert WEST | 05/06/2005 | |
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| Christopher PLUMPTON | 05/04/2005 | | | | | | | | | | | | | | |
| Alexandre EON-DUVAL | 04/25/2005 | | | | | | | | | | | | | | |
| Nicholas Timothy RAPSON | 05/05/2005 | | | | | | | | | | | | | | |
| Michael Robert WEST | 05/06/2005 | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | |
| Name: | Glaxo Group Limited | | | | | | | | | | | | | | |
| Street Address: | Berkeley Avenue | | | | | | | | | | | | | | |
| City: | Greenford, Middlesex | | | | | | | | | | | | | | |
| State/Country: | UNITED KINGDOM | | | | | | | | | | | | | | |
| Postal Code: | UB6 0NN | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10594293</td></tr></tbody></table> | Property Type | Number | Application Number: | 10594293 | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 10594293 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
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| Phone: | 610-270-7568 | | | | | | | | | | | | | | |
| 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: | PB60806 | | | | | | | | | | | | | | |

CH \$40.00 10594293

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PATENT
REEL: 019656 FRAME: 0733

NAME OF SUBMITTER:

Andrea V. Lockenour

Total Attachments: 8

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PATENT

REEL: 019656 FRAME: 0734

ASSIGNMENT

WHEREAS I/WE, Jonathan Henry ELLIS, Alexandre EON-DUVAL, Volker GERMASCHEWSKI, Christopher PLUMPTON and Michael Robert WEST all of Stevenage, Hertfordshire, United Kingdom AND Alexandre EON-DUVAL and Nicholas Timothy RAPSON both of c/o Stevenage, Hertfordshire, United Kingdom (hereinafter called "the inventor(s)") have invented or discovered "IMMUNOGLOBULINS" (hereinafter called "the invention") for which patent application Numbers **0407193.2** and **0407197.3** were filed on **30 March 2004** and **30 March 2004 respectively** in the United Kingdom and for which an international patent 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, when known, be inserted here in parentheses;

PCT/GB2005/001147 filed 29 March 2005

WHEREAS the invention, being made in the course of my employment, belongs to my/our employer, 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 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 the application, and

GLAXOSMITHKLINE SERVICES UNLIMITED and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** have authorised and requested my/our making the application, and

WHEREAS GLAXO GROUP LIMITED a company organised and existing under and by virtue of the laws of England and having its principal place of business at 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 the application in respect of the United States of America;

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 the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and 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 the application 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 the application. **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any 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 the United States of America 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 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 the application hereby assigned and transferred in respect of the United States of America.

IN WITNESS whereof and with effect from **30 March 2004** the inventor(s) and **Peter John GIDDINGS** as Attorney of both **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** by virtue of Powers of Attorney granted by **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** respectively have hereunto set their respective hands.



SIGNED by Jonathan Henry ELLIS

Date: 27 April 2005

SIGNED by Alexandre EON-DUVAL

Date:



SIGNED by Volker GERMASCHEWSKI

Date: 3rd May 2005



SIGNED by Christopher PLUMPTON

Date: 4 May 2005

SIGNED by Nicholas Timothy RAPSON

Date:

M. R. West

SIGNED by Michael Robert WEST

Date: *6 May '05*

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

[Signature]

Date: *09 MAY 2005*

ASSIGNMENT

WHEREAS I/WE, Jonathan Henry ELLIS, Alexandre EON-DUVAL, Volker GERMASCHEWSKI, Christopher PLUMPTON and Michael Robert WEST all of Stevenage, Hertfordshire, United Kingdom AND Alexandre EON-DUVAL and Nicholas Timothy RAPSON both of c/o Stevenage, Hertfordshire, United Kingdom (hereinafter called "the inventor(s)") have invented or discovered "**IMMUNOGLOBULINS**" (hereinafter called "the invention") for which patent application Numbers **0407193.2** and **0407197.3** were filed on **30 March 2004** and **30 March 2004 respectively** in the United Kingdom and for which an international patent 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, when known, be inserted here in parentheses;

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WHEREAS the invention, being made in the course of my employment, belongs to my/our employer, 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 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 the application, and

GLAXOSMITHKLINE SERVICES UNLIMITED and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** have authorised and requested my/our making the application, and

WHEREAS GLAXO GROUP LIMITED a company organised and existing under and by virtue of the laws of England and having its principal place of business at

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 the application in respect of the United States of America;

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 the invention and the application (which I/we do not believe to be the case and claim no ownership right, title or interest in the invention and 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 the application 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 the application. **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO GROUP LIMITED** its whole right, title and interest in and throughout the United States of America in and to the invention and the application and in and to any priority rights in respect of the invention and the application and in and to any divisional application, continuation or continuation in part application thereof, and in and to any 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 the United States of America 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 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 the application hereby assigned and transferred in respect of the United States of America.

IN WITNESS whereof and with effect from **30 March 2004** the inventor(s) and **Peter John GIDDINGS** as Attorney of both **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** by virtue of Powers of Attorney granted by **GLAXOSMITHKLINE SERVICES UNLIMITED** and **GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED** respectively have hereunto set their respective hands.

SIGNED by Jonathan Henry ELLIS

Date:



SIGNED by Alexandre EON-DUVAL


Date: 25/04/2005

SIGNED by Volker GERMASCHEWSKI

Date:

SIGNED by Christopher PLUMPTON

Date:



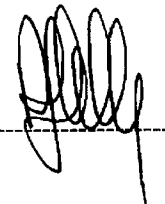
SIGNED by Nicholas Timothy RAPSON

Date: 5.5.05

SIGNED by Michael Robert WEST

Date:

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



Date: 09 MAY 2005