

09-06-2002

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Our Ref.: 1430-256

Commissioner of Patents and Trademarks
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jean-Yves Marcel Paul Bonnefoy
James Scott Crowe
Jonathan Henry Ellis
Nicholas Timothy Rapson
Jean Shearin

2. Name and address of receiving party(ies):

Name: Glaxo Wellcome Inc.

Internal Address: _____

Street Address: Five Moore Drive

City: Research Triangle Park

State/Country: North Carolina

Zip: 27709

Additional name/s of conveying party/ies attached? ☐

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Assignment

☐ Change of Name

☐ Other _____

Execution Date: May 9, 9, 9, 1998 and Nov. 28, 2000

Additional name/s & address/es attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No(s).

(1) 09/674,716

(2) _____

(3) _____

B. Patent No(s).

(1) _____

(2) _____

(3) _____

Additional numbers attached ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Arthur R. Crawford

Internal Address: _____

Street Address: Nixon & Vanderhye P.C.

1100 North Glebe Road

8th Floor

City: Arlington State: VA Zip: 22201

6. Total number of applications & patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account #14-1140

8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our **Account No. 14-1140.**

01/24/2001 T00111 00000042 09674716

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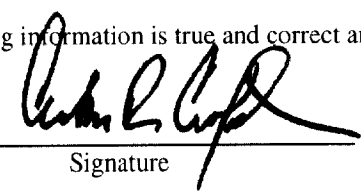
9. Statements and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Arthur R. Crawford

Name of Person Signing

Reg. No. 25,327


Signature

January 22, 2001

Date

Total number of pages including **original** cover sheet, attachments, and document: [12]

Assignment

WHEREAS, I/we, **Jean-Yves Marcel Paul BONNEFOY**, a citizen of France; **Scott James CROWE**, **Jonathan Henry ELLIS**, **Nicholas Timothy RAPSON** all citizens of the United Kingdom; and **Jean SHEARIN**, a citizen of the United States; each residing respectively at Cedex, France; Hertfordshire, United Kingdom; Hertfordshire, United Kingdom; Kent, United Kingdom and Durham, North Carolina has/have invented or discovered certain improvements in **ANTIBODIES TO CD23, DERIVATIVES THEREOF, AND THEIR THERAPEUTIC USES** hereinafter referred to as said invention and improvements for which a patent application, serial number GB9809839.5 was filed 9 May 1998 in the United Kingdom and for which a an international patent application, PCT/GB99/01434 was filed on 7 May 1999 designating the United States of America.

WHEREAS, **GLAXO WELLCOME INC.**, a corporation organized and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA, is desirous of acquiring the whole right, title and interest in and to said invention and improvements and said application, and in and to any Letters Patent to be obtained therefor, in the United States, its territories and possessions; and

WHEREAS, **GLAXO GROUP Ltd.**, a company incorporated in England, whose registered office is at Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex, UB6 ONN, UK, is desirous of acquiring the whole right, title and interest in and to said invention and improvements, and in and to any applications for said invention and improvements and any Letters Patent to be obtained therefor, in all countries other than the United States, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, **Jean-Yves Marcel Paul BONNEFOY**, **Scott James CROWE**, **Jonathan Henry ELLIS**, **Nicholas Timothy RAPSON** and **Jean SHEARIN** for good and valuable consideration unto me/us moving, the receipt whereof is hereby

acknowledged, have sold, assigned and transferred, and by these presents do sell, assign and transfer my/our whole right, title and interest in and to said invention and improvements to said GLAXO WELLCOME INC., throughout the United States of America, its territories and possessions, and in and to said application and any extensions, reissues, continuations, continuations-in-part, and any divisions thereof, and in and to any and all Letters Patent of the United States of America;

AND, my/our whole right, title and interest in and to said invention and improvements to GLAXO GROUP Ltd., in all other countries throughout the world, and in to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries which may be granted on said invention and improvements including any priority rights under the International Convention.

AND, I/we do hereby authorize and request the issue of any Letters Patent in the respective areas referred to, to said GLAXO WELLCOME INC. or GLAXO GROUP Ltd., as assignees of my/our whole right, title and interest in and to the same for the sole use and behoof of the said assignees, their successors and assigns as their interests appear herein;

AND, I/we warrant that I/we have not knowingly conveyed to others any right in said invention, improvements, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing said invention and improvements and that I/we have good right to assign the same to GLAXO WELLCOME INC. and GLAXO GROUP Ltd.;

AND, I/we the undersigned **Jean-Yves Marcel Paul BONNEFOY, Scott James CROWE, Jonathan Henry ELLIS, Nicholas Timothy RAPSON and Jean SHEARIN** for the consideration aforesaid, do hereby agree that I/we or my/our executors or legal representatives, will provide information and make, execute and deliver any and all other instruments in writing, and any and all further acts, application papers, affidavits,

assignments and other documents which may be necessary or desirable to more effectually secure to and vest in said GLAXO WELLCOME INC. and GLAXO GROUP Ltd., their successors and assigns, the whole right, title and interest in and to the said invention and improvements, applications, Letters Patent, rights, title and interest hereby sold, assigned and conveyed, or intended so to be. *This assignment should be deemed effective as of 09 May 1998.*

IN WITNESS WHEREOF, I/we have hereunto set my/our hand(s) and affixed my/our seal(s) on the date(s) indicated below.

Inventor: **Jean-Yves Marcel Paul BONNEFOY**

Date

State of: _____

County of: _____

On the date(s) indicated, before me personally came **Jean-Yves Marcel Paul BONNEFOY** known to me to be the individual(s) described in the foregoing Assignment and who acknowledged and executed the same in my presence.

Notary: _____

My Commission Expires: _____

Inventor: **Scott James CROWE**

Date

State of: _____

County of: _____

On the date(s) indicated, before me personally came **Scott James CROWE** known to me to be the individual(s) described in the foregoing Assignment and who acknowledged and executed the same in my presence.

Notary: _____

My Commission Expires: _____

Inventor: **Jonathan Henry ELLIS**

Date

Docket Number

State of: _____

County of: _____

On the date(s) indicated, before me personally came **Jonathan Henry ELLIS** known to me to be the individual(s) described in the foregoing Assignment and who acknowledged and executed the same in my presence.

Notary: _____

My Commission Expires: _____

Inventor: **Nicholas Timothy RAPSON**

Date

State of: _____

County of: _____

On the date(s) indicated, before me personally came **Nicholas Timothy RAPSON** known to me to be the individual(s) described in the foregoing Assignment and who acknowledged and executed the same in my presence.

Notary: _____

My Commission Expires: _____

Inventor: Jean Shearin
Jean SHEARIN11/28/00
DateState of: NCCounty of: Wake

On the date(s) indicated, before me personally came **Jean SHEARIN** known to me to be the individual(s) described in the foregoing Assignment and who acknowledged and executed the same in my presence.

Notary: Elaine MartensMy Commission Expires: 2/5/2001

ASSIGNMENT

WHEREAS WE, Jean-Yves Marcel Paul BONNEFOY, residing at Institute de Recherche Pierre Fabre, 74164 Saint-Julien-en-Genevois, France, (hereinafter called "the inventor(s)") have invented or discovered "Antibody" (hereinafter called "the invention") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCTPCT/GB99/01434 on 07 May 1999 (hereinafter called "the application"), and

WHEREAS the invention belongs to our employer, namely **GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA**, now known as Serono Pharmaceutical Research Institute, a division of Ares-Serono International SA, a company incorporated in Switzerland whose registered address is 14, chemin des Aulx, CH-1228 Plan les Ouates, and

WHEREAS GLAXO RESEARCH AND DEVELOPMENT 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 **GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA** the whole right, title and interest in and to the invention and the application throughout all territories of the United States of America, and

WHEREAS GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA and **GLAXO RESEARCH AND DEVELOPMENT LIMITED** have authorised and requested my making the application, and

WHEREAS GLAXO WELLCOME INC., a corporation organised and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA is desirous of acquiring from **GLAXO 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 we, the inventors, hereby confirm the ownership by **GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA** of the invention and the application by operation of law and, if under the law of the United States of America we the inventors have any ownership right, title and interest in the invention and the application (which I 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 Switzerland), we the inventors nevertheless hereby assign and transfer such ownership right, title and interest in and to the invention and the application to **GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA** which in turn hereby assigns and transfers to **GLAXO RESEARCH AND DEVELOPMENT LIMITED** its whole right, title and interest in and to the invention and the application. **GLAXO RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO WELLCOME INC.** 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 we the inventors and **GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA** and **GLAXO RESEARCH AND DEVELOPMENT LIMITED** hereby authorise and request any patent arising therefrom in the United States of America be issued to **GLAXO WELLCOME INC.**

AND GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA and **GLAXO RESEARCH AND DEVELOPMENT LIMITED** hereby, and we the inventors for ourself and 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 WELLCOME INC.**, 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.

IT is hereby declared that each of the transaction hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value, or the aggregate amount or value, of the consideration exceeds £60,000.

IN WITNESS whereof and with effect from the 09th day of May 1998 the inventors and Graham Brereton as Attorney of GLAXO RESEARCH AND DEVELOPMENT LIMITED and ~~X~~ **TIMOTHY N.C. WELLS** of SERONO PHARMACEUTICAL RESEARCH INSTITUTE (formerly GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA) by virtue of Powers of Attorney granted by SERONO PHARMACEUTICAL RESEARCH INSTITUTE and GLAXO RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

SIGNED by Jean-Yves Marcel Paul BONNEFOY:

in the presence of:

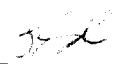
Nuria SANDOS MARTI

SIGNED by Graham George Brereton as the Attorney of GLAXO RESEARCH AND DEVELOPMENT LIMITED:

SIGNED by

~~X~~ **TIMOTHY N.C. WELLS**
of SERONO PHARMACEUTICAL RESEARCH INSTITUTE, a division of Ares-Serono International SA (formerly GLAXO WELLCOME RESEARCH AND DEVELOPMENT SA):

ASSIGNMENT


WHEREAS I/WE, ~~Scott James CROWE~~, Jonathan Henry ELLIS and Nicholas Timothy RAPSON residing at Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY, GB (hereinafter called "the inventor(s)") have invented or discovered "Antibody" (hereinafter called "the invention") for which an application for Letters Patent in the United States of America was originally filed as International Application No. PCT/GB99/01434 on 07 May 1999 (hereinafter called "the application"), and

WHEREAS the invention, being made in the circumstances set out in Section 39(1)(a) of the United Kingdom Patents Act 1977, belongs to my/our employer, namely GLAXO WELLCOME plc, a company incorporated in England whose registered address is Lansdowne House, Berkeley Square, London W1X 6BQ, England, and

WHEREAS GLAXO RESEARCH AND DEVELOPMENT 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 GLAXO WELLCOME plc the whole right, title and interest in and to the invention and the application, and

WHEREAS GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED have authorised and requested my/our making the application, and

WHEREAS GLAXO WELLCOME INC., a corporation organised and existing under and by virtue of the laws of the State of North Carolina and having its principal place of business at Five Moore Drive, Research Triangle Park, North Carolina 27709, USA is desirous of acquiring from GLAXO 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 **GLAXO WELLCOME plc** of the invention and the application by operation of law under the United Kingdom Patents Act 1977 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 **GLAXO WELLCOME plc**. **GLAXO WELLCOME plc** in turn hereby assigns and transfers to **GLAXO RESEARCH AND DEVELOPMENT LIMITED** its whole right, title and interest in and to the invention and the application. **GLAXO RESEARCH AND DEVELOPMENT LIMITED** in turn hereby assigns and transfers to **GLAXO WELLCOME INC.** 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 **GLAXO WELLCOME plc** and **GLAXO RESEARCH AND DEVELOPMENT LIMITED** hereby authorise and request any patent arising therefrom in the United States of America be issued to **GLAXO WELLCOME INC.**

AND GLAXO WELLCOME plc and **GLAXO 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 WELLCOME INC.**, 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.

IT is hereby declared that each of the transactions hereby effected does not form part of a larger transaction or of a series of transactions in respect of which the amount or value, or the aggregate amount or value, of the consideration exceeds £60,000.

IN WITNESS whereof and with effect from the 09th day of May 1998 the inventor(s) and Graham George Brereton as Attorney of both GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED by virtue of Powers of Attorney granted by GLAXO WELLCOME plc and GLAXO RESEARCH AND DEVELOPMENT LIMITED respectively have hereunto set their respective hands.

SIGNED by ~~Seott James~~ CROWE:
JAMES SCOTT

James Scott Crowe

in the presence of:

J Helbig

SIGNED by Jonathan Henry ELLIS:

Jonathan Ellis

In the presence of:

P. F. L. PAUL FREDERICK LIFE

SIGNED by Nicholas Timothy RAPSON:

N. T. Rapson

In the presence of:

G. Brereton

SIGNED by Graham George Brereton as the Attorney of each of Glaxo Wellcome plc and Glaxo Research and Development Limited:

G. Brereton

To Whom It May Concern:

I have made this copy from the original United States of America Assignment for docket number PG3433, titled: ANTIBODIES TO CD23, DERIVATIVES THEREOF, AND THEIR THERAPEUTIC USES. United States inventor Jean SHEARIN signed 28 November 2000.

Elaine Martens

Elaine Martens
Patent Paralegal

28 November 2000

Date

State of North Carolina

WAKE County

I, Keysha E. Bishop, a Notary Public for

said County and State, do hereby certify that Elaine Martens

personally appeared before me this day and acknowledged the due execution

of the foregoing instrument.. Witness my hand and official seal, this the 28 November 2000

Keysha E. Bishop

Keysha E. Bishop (Commission expires 10/28/2004)

Notary Public



Glaxo Wellcome Inc.

Five Moore Drive
PO Box 13398
Research Triangle Park, NC
27709-3398

Telephone

Fax