

FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

RECOF

08-06-2001

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Tab settings ⇄⇄⇄▽



▽ ▽

To the Honorable Commissioner of Patents

101800450

nal documents or copy thereof.

1. Name of conveying party(ies):

- 1) Michael White
- 2) Julia Elizabeth Thompson
- 3) Celia Patricia Shorrock

07/20/01

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Abbott Laboratories

Internal Address: _____

Street Address: 100 Abbott Park Road

City: Abbott Park State: Illinois ZIP: 60064

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: (1) 6/11/01; (2) 6/14/01; (3) 6/14/01;
(4) 7/18/01; (5) 6/8/01; (6) 7/5/01; (7) 6/14/01; (8)
7/18/01; (9) 6/21/01; (10) 6/15/01; (11) 7/8/01; (12)
6/14/01

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)
09/780,035

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Giulio A. DeConti, Jr., Esq.

Internal Address: Lahive & Cockfield, LLP

Street Address: 28 State Street

City: Boston State: MA ZIP: 02109

6. Total number of applications and patents involved:

1

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

12-0080

DO NOT USE THIS SPACE

9. Statement 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.

Giulio A. DeConti, Jr., Esq., Reg. No. 31,305

Name of Person Signing

Giulio A. DeConti, Jr.

Signature

July 25, 2001

Date

Total number of pages including cover sheet, attachments, and document:

50

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

08/03/2001 LMJELLER 00000139 09780035

01 FC:581

40.00 DP

PATENT
REEL: 012030 FRAME: 0888

PTO Form 1595 Continued**ADDITIONAL CONVEYING PARTIES****Serial Number:** USSN 09/780,035**Inventors:** Tariq Ghayur, *et al.***Filed:** February 9, 2001**Title:** ANTIBODIES THAT BIND HUMAN INTERLEUKIN-18
AND METHODS AND USING

| | |
|---|--------------------------------|
| Name of 4TH Conveying Party: | Jochen Salfeld |
| Name of 5TH Conveying Party: | Michael Roguska |
| Name of 6TH Conveying Party: | John Mankovich |
| Name of 7TH Conveying Party: | Simon Nicholas Lennard |
| Name of 8TH Conveying Party: | Boris Labkovsky |
| Name of 9TH Conveying Party: | Tariq Ghayur |
| Name of 10TH Conveying Party: | Alexander Robert Duncan |
| Name of 11TH Conveying Party: | Richard W. Dixon |
| Name of 12TH Conveying Party: | Simon Mark Brockelhurst |

PATENT**REEL: 012030 FRAME: 0889**

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

WHEREAS, Abbott Laboratories, a corporation organized and existing under the laws of Illinois, having a place of business at Abbott Park, Illinois 60064, hereinafter called the Assignee, desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: 6/11/01

Michael K White
Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 11th day of June, 2001.

Gayle O'Brien
Witness signature

Gayle O'Brien
Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

PATENT
REEL: 012030 FRAME: 0893

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

PATENT
REEL: 012030 FRAME: 0895

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

WHEREAS, Abbott Laboratories, a corporation organized and existing under the laws of Illinois, having a place of business at Abbott Park, Illinois 60064, hereinafter called the Assignee, desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____

Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

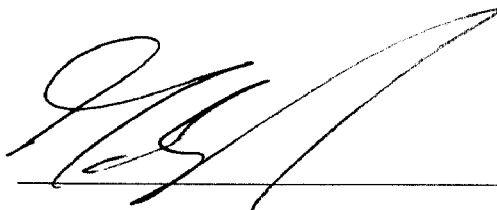
Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: 7/18/01



Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 18th day of July, 2001.

Gayle O'Brien
Witness signature

Gayle O'Brien
Witness Name (please print)

DATED: _____

Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

PATENT
REEL: 012030 FRAME: 0901

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrocks, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

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DATED: _____

Michael White

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Witness signature

Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: 6/8/01

Michael Roguska
Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Alexander Robert Duncan

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Witness signature

Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

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Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____

Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

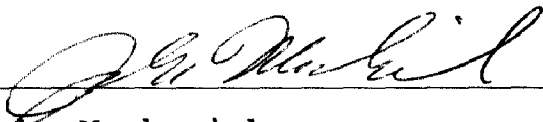
Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature


Witness Name (please print)

DATED: July 5, 2001



John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 5th day of July, 2001.



Witness signature

Gayle O'Brien

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

PATENT
REEL: 012030 FRAME: 0912

DATED: _____

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

WHEREAS, Abbott Laboratories, a corporation organized and existing under the laws of Illinois, having a place of business at Abbott Park, Illinois 60064, hereinafter called the Assignee, desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____

Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

PATENT
REEL: 012030 FRAME: 0917

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: 7-18-01

Boris Labkovsky
Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 18th day of July, 2001.

Gayle O'Brien
Witness signature

Gayle O'Brien
Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

WHEREAS, Abbott Laboratories, a corporation organized and existing under the laws of Illinois, having a place of business at Abbott Park, Illinois 60064, hereinafter called the Assignee, desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____

Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: June 21, 01.

Tariq Ghayur
Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 21st day of June, 2001.

Gayle O'Brien
Witness signature

Gayle O'Brien
Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

PATENT
REEL: 012030 FRAME: 0925

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

WHEREAS, Abbott Laboratories, a corporation organized and existing under the laws of Illinois, having a place of business at Abbott Park, Illinois 60064, hereinafter called the Assignee, desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____

Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Elizabeth Thompson

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: 18 July, 2001

Richard W. Dixon
Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 18th day of July, 2001.

Gayle O'Brien
Witness signature

Gayle O'Brien
Witness Name (please print)

DATED: _____

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

ASSIGNMENT

WHEREAS, Michael White, of Framingham, MA; Julia Elizabeth Thompson, of Cambridge, United Kingdom; Celia Patricia Shorrock, of Cambridge, United Kingdom; Jochen Salfeld, of North Grafton, MA; Michael Roguska, of Ashland, MA; John Mankovich, of Andover, MA; Simon Nicholas Lennard, of Cambridgeshire, United Kingdom; Boris Labkovsky, of Marlborough, MA; Tariq Ghayur, of Holliston, MA; Alexander Robert Duncan, of Cambridge, United Kingdom; Richard W. Dixon, of North Grafton, MA; and Simon Mark Brockelhurst, of Cambridgeshire, United Kingdom, hereinafter called the Assignors have made the invention described in the United States patent application 09/780,035 filed February 9, 2001, entitled **Antibodies That Bind Human Interleukin-18 And Methods of Making and Using** executed by Assignors on the same date as this Assignment, Assignors hereby authorize and request the attorney(s) listed on the Power of Attorney filed in this case;

WHEREAS, Abbott Laboratories, a corporation organized and existing under the laws of Illinois, having a place of business at Abbott Park, Illinois 60064, hereinafter called the Assignee, desires to acquire the entire right, title and interest in and to the invention and to the patent application identified above, and all patents, foreign and domestic, which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States and elsewhere in and to the invention and the patent application

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

identified above, and any patents that may issue for said invention in the United States and elsewhere; together with the entire right, title and interest in and to said invention and all patent applications, patents, utility models and designs therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications, patents, utility models and designs defined above; to have and to hold for sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents. The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representative, that Assignors have the full right to convey the interest assigned by this Assignment; and that the Assignors will assist the Assignee in the prosecution of the patent applications identified above, in the making and prosecution of any other applications that the Assignee may elect to make covering the invention identified above, in vesting in the Assignee like exclusive title in and to all such other patent applications and patents, in the prosecution of any interference which may arise involving said invention, or any such patent application or patent, and in assisting Assignee in enforcement of any rights arising out of this Assignment; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Agreement.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATED: _____

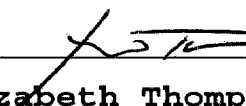
Michael White

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: 14th JUNE 2001



~~Celia~~ Elizabeth Thompson
JT. JULIA

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 14 day of JUNE, 2001.



Witness signature

DUNCAN CASSON

Witness Name (please print)

DATED: 15/6/2001



Celia Patricia Shorrock

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 15 day of JUNE, 2001.



Witness signature

RALPH MINTER

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: _____

Jochen Salfeld

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Michael Roguska

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

John Mankovich

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

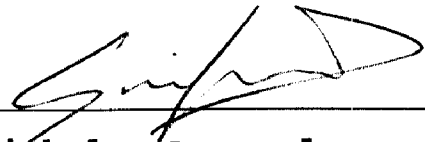
Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001


PATENT
REEL: 012030 FRAME: 0935

DATED: 14th June 2001



Simon Nicholas Lennard

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 14th day of JUNE, 2001.



Witness signature

ANDREW JAMES ROBERTS

Witness Name (please print)

DATED: _____

Boris Labkovsky

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: _____

Tariq Ghayur

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001

DATED: 15th JUNE 2001

Alexander Robert Duncan

Alexander Robert Duncan

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 15th day of JUNE, 2001.

[Signature]
Witness signature

L. M. JOHNSON
Witness Name (please print)

DATED: _____

Richard W. Dixon

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 2001.

Witness signature

Witness Name (please print)

DATED: 14th June 2001

[Signature]

Simon Mark Brockelhurst

Then personally appeared the above-named and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 11th day of JUNE, 2001.

[Signature]

Witness signature

COLIN HAROMAN
Witness Name (please print)

Docket No.: BBI-149
Serial No.: 09/780035
Filing date: February 9, 2001