

03-13-2002

IEET

U.S. DEPARTMENT OF COMMERCE

(Rev. 6/93)

Patent And Trademark Of

OMB No. 0651-0011 (exp. 4/94)



To the Honorable Commissioner of Patents and Trade

or copy thereof.

1. Name of conveying party(ies):

1. Brian M. Aquila 2. Thomas D. Bannister
3. Gregory D. Cuny 4. James R. Hauske
5. Michele L.R. Heffernan 6. Michael Z. Hoemann
7. Donald W. Kessler 8. Liming Shao
9. Xinhe Wu 10. Roger Xie

102012948

2002 FEB 27 AM 10:23

FINANCE SECTION

2-27-02

Name and address of receiving party(ies):

Name: Sepracor Inc.

Internal Address:

Street Address: 111 Locke Drive

City: Marlborough State: MA Zip 01752

Additional name(s) & addresses attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: 1. January 28, 2002 2. January 24, 2002
3. January 25, 2002 4. January 30, 2002
5. January 30, 2002 6. January 24, 2002
7. January 25, 2002 8. January 30, 2002
9. January 28, 2002 10. January 24, 2002

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

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

A. Patent Application No.(s) 10/012,242

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Foley, Hoag & Eliot LLP

Internal Address: Patent Group

Street Address: One Post Office Square

City: Boston State: MA ZIP 02109

6. Total number of applications and patents involved (1)

7. Total Fee (37 CFR 3.14) \$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

06-1448, Ref.

(Attach duplicate copy of this page if paying by deposit account)

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.

03/13/2002 GTOW11 00000069 10012242

01 FC:581

40.00 DP

Dana M. Gordon, Ph.D., J.D. - 44,719

Name of Person Signing and Reg. No.

Signature

2/8/02

Date

Total number of pages including cover sheet, attachments, and document: (41)

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

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this 28th day of January, 2002.

By: 
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this 28th day of January, 2002.


Witness signature

FENGJIANG WANG

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this 24th day of January, 2002.

By: Thomas D. Bannister
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this 24th day of January, 2002.

Joane Hope
Witness signature

Joane C. Hope
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

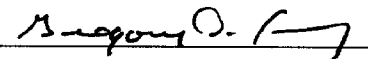
By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.


Witness signature

Witness Name (please print)

WITNESS my hand this 25 day of JANUARY, 2002.

By: 
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this 25 day of JANUARY, 2002.


Witness signature

Jean-Christophe (Chris) Rochet
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____

Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____

Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____

Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this 30 day of January, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this 30 day of January, 2002.

Witness signature

Joanne M. Holland
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

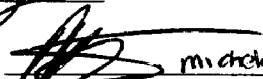
By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

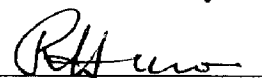
Witness signature

Witness Name (please print)

WITNESS my hand this 30 day of January, 2002.

By: 
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.


Witness signature

ROUSHAN A HUSSAIN
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this 24th day of JANUARY, 2002.

By: Michael Z. Hoemann
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this 24th day of JANUARY, 2002.

Denise M. Landry
Witness signature

Denise M. Landry
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this 25 day of Jan., 2002.

By: Donald W. Kessler
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this 25th day of January, 2002.

Paul E. Persons
Witness signature

Paul E. Persons
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____

Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

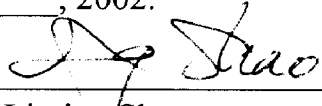
By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

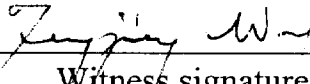
Witness signature

Witness Name (please print)

WITNESS my hand this 30th day of January, 2002.

By: 
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this 30th day of January, 2002.


Witness signature

FENGJIANG WANG

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this 28th day of January, 2002.

By: Xinhe Wu
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this 28th day of Jan., 2002.

Kevin Fang
Witness signature

Kevin Fang
Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

ASSIGNMENT

We, Brian M. Aquila of Marlborough, MA, Thomas D. Bannister of Northborough, MA, Gregory D. Cuny of Somerville, MA, James R. Hauske of Concord, MA, Michelle L.R. Heffernan of Worcester, MA, Michael Z. Hoemann of Marlborough, MA, Donald W. Kessler of Groton, MA, Liming Shao of Lincoln, MA, Xinhe Wu of Shrewsbury, MA, and Roger L. Xie of Natick, MA, for valuable consideration received from Sepracor Inc., a corporation of the state of Massachusetts, having its principal place of business at 111 Locke Drive, Marlborough, MA 01752, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Sepracor Inc.

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

"METHODS FOR THE STEREOSELECTIVE SYNTHESIS OF SUBSTITUTED PIPERIDINES"

described in application Serial No. 10/012,242 filed on December 4, 2001 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand this _____ day of _____, 2002.

By: _____
Brian M. Aquila

Then personally appeared the above-named Brian M. Aquila and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Thomas D. Bannister

Then personally appeared the above-named Thomas D. Bannister and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Gregory D. Cuny

Then personally appeared the above-named Gregory D. Cuny and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
James R. Hauske

Then personally appeared the above-named James R. Hauske and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michelle L.R. Heffernan

Then personally appeared the above-named Michelle L.R. Heffernan and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Michael Z. Hoemann

Then personally appeared the above-named Michael Z. Hoemann and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Donald W. Kessler

Then personally appeared the above-named Donald W. Kessler and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

By: _____
Liming Shao

Then personally appeared the above-named Liming Shao and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

Witness signature

Witness Name (please print)

WITNESS my hand this _____ day of _____, 2002.

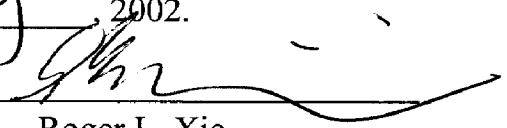
By: _____
Xinhe Wu

Then personally appeared the above-named Xinhe Wu and acknowledged the foregoing instrument to be his free act and deed, before me, this _____ day of _____, 2002.

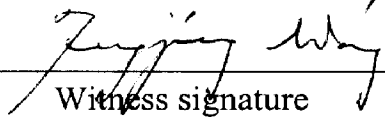
Witness signature

Witness Name (please print)

WITNESS my hand this 24th day of January, 2002.

By: 
Roger L. Xie

Then personally appeared the above-named Roger L. Xie and acknowledged the foregoing instrument to be his free act and deed, before me, this 24th day of January, 2002.


Witness signature

FENGJIANG WANG

Witness Name (please print)