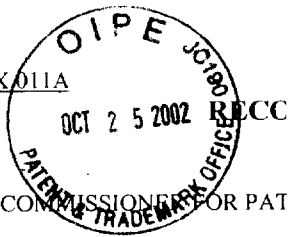


Client Code: QUOREX.011A

10-31-2002



102266758

ments or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1. Stephen R. Cooper
- 2. Kraig M. Yager

10/25/02

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

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

Name: QUOREX PHARMACEUTICALS, INC.
Internal Address: 1890 Rutherford Road, Suite 200
Street Address: 1890 Rutherford Road, Suite 200
City: Carlsbad **State:** CA **ZIP:** 92008-7326

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

3. Nature of conveyance:

- (X) Assignment
- () Merger
- () Security Agreement
- () Change of Name
- () Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- 1. September 19, 2002
- 2. September 19, 2002

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

() Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 10/227,327
Filing Date: August 22, 2002

() Patent No.:
Issue Date:

Additional numbers attached? () Yes (X) No

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

Name: Joseph J. Mallon
 KNOBBE, MARTENS, OLSON & BEAR, LLP
 Customer No. 20,995
Internal Address: Fourteenth Floor
Street Address: 2040 Main Street
City: Irvine **State:** CA **ZIP:** 92614
Attorney's Docket No.: QUOREX.011A

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Joseph J. Mallon
Name of Person Signing

Joseph J. Mallon
Signature

10/21/02
Date

39,287
Registration No.

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

10/30/2002 DBYRNE 00000172 10227327
 01 FC:0021 40.00 OP

U.S. Patent and Trademark Office
 Attn: Assignment Division
 Crystal Gateway-4
 1213 Jefferson Davis Highway, Suite 320
 Arlington, VA 22202

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PATENT
REEL: 013426 FRAME: 0743

Application No.: 10/227,327
Filing Date: August 22, 2002

ASSIGNMENT

WHEREAS, We, Stephen R. Cooper, a United States citizen, residing at 2501 Janis Way, Carlsbad, CA 92008, and Kraig M. Yager, a United States citizen, residing at 1615 Corte Verano, Oceanside, CA 92056, have invented certain new and useful improvements in a ANTI-BACTERIAL AGENTS BASED UPON OXOANION BINDING for which we have filed an application for Letters Patent in the United States, Serial No. 10/227,327, August 22, 2002;

AND WHEREAS, QUOREX PHARMACEUTICALS, INC. (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 1890 Rutherford Road, Suite 200, Carlsbad, CA 92008-7326, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19th day of September, 2002.

Stephen R. Cooper

Stephen R. Cooper

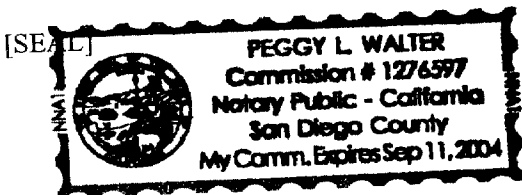
STATE OF California }
COUNTY OF San Diego } ss.

On 9-19-02, before me, Peggy L. Walter, Notary Public, personally appeared Stephen R. Cooper personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(~~ies~~), and that by his signature(~~s~~), on the instrument the person(~~s~~), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Peggy L. Walter

Notary Signature



IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 19 day of September, 2002

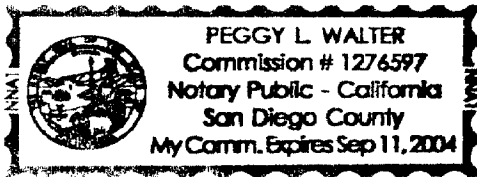
Kraig M. Yager
Kraig M. Yager

STATE OF California }
COUNTY OF San Diego } ss.

On 9-19-02, before me, Peggy L. Walter, Notary Public, personally appeared Kraig M. Yager personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Peggy L. Walter
Notary Signature