

10-09-1998

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1-31-92MRO
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1. Name of conveying party(ies):

Lex M. Cowser

Additional name(s) of conveying party(ies)
attached? () YES (X) NO

3. Nature of Conveyance:

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

Execution Date: 9/17/98

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

Name: ISIS PHARMACEUTICALS, INC.

Internal Address:

Street Address: 2292 Faraday Ave.

City Carlsbad

State CA Zip 92008

Additional name(s) & address attached?

() YES (X) NO

4. Application number(s) or patent number (s): N/A

If this document is being filed together with a new application, the execution date of the application is: 9/15/98

A. Patent Application No.(s) Not yet assigned

B. Patent No.(s) N/A

Additional numbers attached? () YES (X) NO

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

Name: Laurel Spear Bernstein

Internal Address: ISIS PHARMACEUTICALS, INC.

2292 Faraday Avenue
Carlsbad, CA 92008

Street Address: ISIS PHARMACEUTICALS, INC.

2292 Faraday Avenue
Carlsbad, CA 92008

6. Total number of applications and patents involved: 1

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

() Enclosed

(X) Authorized to be charged to deposit account'

8. Deposit account number: 500252

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

YOE

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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.

Laurel Spear Bernstein / 37,280

Name of Person Signing/Reg.No.

Signature

9/17/98

Date

Total number of pages including cover sheet, attachments and document: 4

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

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RTS-0012

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PATENT
REEL: 9491 FRAME: 0795

A S S I G N M E N T

WHEREAS, I Lex M. Cowser hereinafter referred to as the assignor, residing at 3008 Newshire Street Carlsbad CA 92008 am the sole inventor of certain inventions or improvements for which I have made application for Letters Patent to the United States, identified as Case No. RTS-0012, entitled **Antisense Modulation of RhoA Expression**; filed concurrently herewith; and

WHEREAS, **ISIS PHARMACEUTICALS, INC.** hereinafter referred to as the assignee, of **2292 Faraday Ave., Carlsbad CA 92008**, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to me in hand paid by said assignee and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said assignor, have sold, assigned, transferred and set over and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries and any reissue or reissues or extension or extensions of said Letters Patent and assign to and authorize said assignee, to file applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

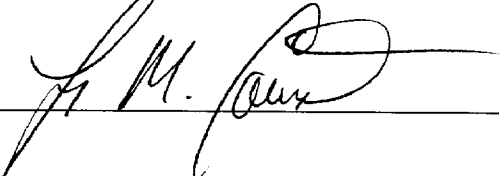
AND I hereby covenant that I have full right to convey the entire interest herein assigned and that I have not executed and will not execute any agreement in conflict herewith and I further covenant and agree that I will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements,

said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives and I agree to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND I hereby authorize and request the Commissioner of Patents and Trademarks 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 to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

I further authorize and direct our attorneys to insert below* the serial number and filing date of said application now identified as Case No. RTS-0012 as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, I have hereunto set my hand and seal.


_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

[WHERE ALL INVENTORS SIGN BEFORE THE SAME NOTARY:]

COUNTY OF _____ : SS

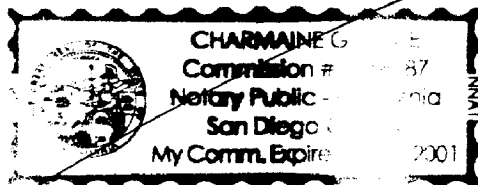
On this _____ day of _____, 19____, before me personally came the above named _____ to me personally known and known to me to be the same individual who executed the foregoing assignment and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.

Notary Public

[WHERE INVENTORS SIGN BEFORE SEPARATE NOTARIES:]

State of California :
COUNTY OF San Diego : SS

On this 17th day of September, 1998, before me personally came the above named Lex M. Consert to me personally known and known to me to be the same individual who executed the foregoing assignment and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



Charmaine G. Cole

Notary Public

