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RTS-0035

FORM PTO-1595 1-31-92		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
<b>RECORDATION FORM COVER SHEET PATENTS ONLY</b>			
To The Honorable Commissioner of Patents and Trademarks. Please record the attached documents or copy thereof			
1. Name of conveying party(ies): Brett P. Monis and Lex M. Cowert		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) of conveying party(ies) attached? ( ) YES (X) NO		Additional name(s) & address attached? ( ) YES (X) NO	
3. Nature of Conveyance: (X) Assignment ( ) Merger ( ) Security Agreement ( ) Change of Name ( ) Other: Execution Date: 2/19/99			
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: 2/19/99			
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: Jane Massey Licata Address: Law Offices of Jane Massey Licata 66 East Main Street Marlton NJ 08053		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)	
<b>DO NOT USE THIS SPACE</b>			
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. <u>Laurel Spear Bernstein</u> Signature <u>2/23/99</u> Date			
Total number of pages including cover sheet, attachments and document: <u>4</u>			
Mail documents to be recorded with required cover sheet information to: 03/05/1999 INHUYEN 00000058 500252 09256465 01 FC:5:1 40.00 CH Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded including time for reviewing the document and gathering the data needed and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231 and to the Office of Management and Budget, Paperwork Reduction Project. (0851-0011).			

JCS11 D. S. 09/25/65

**PATENT  
REEL: 9792 FRAME: 0679**

A S S I G N M E N T

WHEREAS, we Brett P. Monia and Lex M. Cowser  
hereinafter referred to as the assignors, residing respectively  
at 7605 Nueva Castilla Way La Costa CA 92009 and 3008 Newshire  
Street Carlsbad CA 92008 are the joint inventors of certain  
inventions or improvements for which we have made application for  
Letters Patent to the United States, identified as Case No. RTS-  
0035 entitled **Antisense Modulation of Akt-2 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 each of us in hand paid by said assignee  
and other good and valuable consideration, the receipt of which  
is hereby acknowledged, we, the said assignors, 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 in our names 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 us had this assignment, sale and transfer not been  
made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith and we further covenant and agree that we 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 each of us agrees 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 we 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.

We further authorize and direct our attorneys to insert below\* the serial number and filing date of said application now identified as Case No. RTS-0035 as soon as the same shall have been made known to them by the United States Patent Office.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Dated: 2/19, 1999

Brett P. Monia  
Brett P. Monia

STATE OF California )  
COUNTY OF San Diego ) ss.

This 19th day of February, 1999, before me personally came the above-named Brett P. Monia, who executed the foregoing Assignment in my presence and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Lane B.D. Schwartz  
Notary Public for  
My commission expires:

[SEAL]

Dated: 2/19, 1999

Lex M. Cowser  
Lex M. Cowser

STATE OF California )  
COUNTY OF San Diego ) ss.

This 19th day of February, 1999, before me personally came the above-named Lex M. Cowser, who executed the foregoing Assignment in my presence and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Lane B.D. Schwartz  
Notary Public for  
My commission expires:

[SEAL]