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FORM PTO-1595 1-31-92 U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To The Honorable Commissioner of Patents and Trademarks. Please record the attached documents or copy thereof.

<p>1. Name of conveying party(ies): C. Frank Bennett and Lex M. Cowser</p> <p>Additional name(s) of conveying party(ies) attached? ( ) YES (X) NO</p> <p>3. Nature of Conveyance:  <input checked="" type="checkbox"/> Assignment      ( ) Merger  <input type="checkbox"/> Security Agreement  <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other:          Execution Date: 10/22/99</p>	<p>2. Name and address of receiving party(ies):          Name: Isis Pharmaceuticals, Inc.          Internal Address:           Street Address: 2922 Faraday Ave          City Carlsbad           State California                      Zip 92008</p> <p>Additional name(s) &amp; address attached?  <input type="checkbox"/> YES    <input checked="" type="checkbox"/> NO</p>
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JC675 U.S. PTO  
09/429322  
10/26/99

4. Application number(s) or patent number (s): N/A 09-429322  
 If this document is being filed together with a new application, the execution date of the application is: 10/22/99

A. Patent Application No.(s) Not yet assigned      B. Patent No.(s) N/A  
 Additional numbers attached? ( ) YES (X) NO

<p>5. Name and address of party to whom correspondence concerning documents should be mailed:</p> <p>Name: Jane Massey Licata          Address: Law Offices of Jane Massey Licata          66 East Main Street          Marlton NJ 08053</p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41):.....\$40.00  <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 500252</p> <p>(Attach duplicate copy of this page if paying by deposit account)</p>
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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      *Laurel Spear Bernstein*      10/26/99  
 Name of Person Signing/Reg.No.                      Signature                      Date

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A S S I G N M E N T

WHEREAS, we C. Frank Bennett residing at 1347 Cassins Street Carlsbad CA 92009 and Lex M. Cowser, residing at 3008 Newshire Street Carlsbad CA 92008 hereinafter referred to as the assignors, 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-0100 entitled **Antisense Modulation of Protein kinase C-theta Expression**; filed concurrently herewith; and

WHEREAS, **Isis Pharmaceuticals, Inc.** hereinafter referred to as the assignee, of **2922 Faraday Ave, Carlsbad California 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.



