DOCKET NO.:RTS-01



101482712

ress Mail" Label No.: EL263654044US of Deposit: **9**9/08/2000

FORM PTO-1595 1-31-92	U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office RECORDATION FORM COVER SHEET	
PATENTS ONLY	
To The Honorable Commissioner of Patents and Trademarks. Please record the attached documents or copy thereof.	
1. Name of conveying party(ies): Ian Popoff and Jacqueline Wyatt	2. Name and address of receiving party(ies): Name: Isis Pharmaceuticals Inc. Internal Address:
Additional name(s) of conveying party(ies) attached? () YES (X) NO	Street Address: 2292 Faraday Ave City Carlsbad
3. Nature of Conveyance: (X) Assignment () Merger () Security Agreement () Change of Name () Other:	State California Zip 92008 2 Additional name(s) & address attached? () YES (X) NO
Execution Date: Sept. 1, 2000 4. Application number(s) or patent number (s): N/A If this document is being filed together with a new application.	09.658679 8 11 12000
A. Patent Application No.(s) Not yet assigned B. Patent No.(s) N/A	
Additional numbers attache	
5. Name and address of party to whom correspondence concerning documents should be mailed:	6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):\$40.00
Name: Jane Massey Licata Address: Law Offices of Jane Massey Licata 66 East Main Street	() Enclosed (X) Authorized to be charged to deposit account
Marlton NJ 08053	8. Deposit account number: 500252
	(Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
Name of Person Signing/Reg.No.	gnature Date
Total number of pages including cover sheet, attachments, and document:: 4	
Mail documents to be recorded with required cover sheet information to:	
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 Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to Public burden reporting for reviewing the document and gathering the data needed, and completing and	
Public burden reporting for this sample cover sheet is estimated to average about 50 minutes and completing and Public burden reporting time for reviewing the document and gathering the data needed, and completing and	

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. (0651-0011).

00000131 500252 09658679 10/06/2000 MTHAI1

40.00 CH 01 FC:581

> **PATENT REEL: 011131 FRAME: 0948**

ASSIGNMENT

WHEREAS, we Ian Popoff, residing at 904 Hygeia Ave Encinitas CA 92024 and Jacqueline Wyatt, residing at 1065 Hymettus Avenue Encinitas CA 92024 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-0186 entitled Antisense Modulation of E2F transcription factor 2 Expression; filed concurrently herewith; and

WHEREAS, **Isis Pharmaceuticals Inc.** hereinafter referred to as the assignee, of **2292 Faraday Ave, Carlsbad, California 92008** 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.

Page 1 of 3

PATENT REEL: 011131 FRAME: 0949

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-0186 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.

STATE OF CALIFORNIA

ss. COUNTY OF SAN DIEGO

day of SEPTEMBER, 2000, before me personally came the above-named Ian Popoff, who executed the foregoing Assignment in my presence, and who acknowledged to me that he/she executed the same of his/her own free will for the purposes set forth therein.

CAROL A. COLLINS Comm. # 1189498 NOTARY PUBLIC - CALIFORNIA San Diego County My Comm. Expires July 8, 2002 Notary Public for CALIFORNIA My commission expires: 7/8/02

Page 2 of 3

Dated: 8/31/00

Jacqueline Wyatt

STATE OF CALIFORNIA

COUNTY OF SAN DIEGO) ss.

This 31^{st} day of August, 2000, before me personally came the above-named Jacqueline Wyatt, who executed the foregoing Assignment in my presence, and who acknowledged to me that he/she executed the same of his/her own free will for the purposes set forth therein.



Course a. Collis

Notary Public for My commission expires: 7/6/62

[SEAL]