

FORM PTO-1595

1-31-92

ISIS-3351 DOC ID NO: 101087860

RI

09-30-1999

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To The Honorable Commissioner of Patent:
thereof.

Attached original documents or copy

101159159

1. Name of conveying party(ies):
Eric Edward Swayze and Peter William DavisAdditional 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(s): 29 Jun 99 and 29 Jun 99

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

Name: ISIS Pharmaceuticals, Inc.

Street Address: 2292 Faraday Avenue

City: Carlsbad

State: CA

ZIP 92008

Additional name(s) & address attached? () YES (X) NO

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

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

A. Patent Application No.(s)

09/272,106

B. Patent No.(s)

Additional numbers attached? () YES (X) NO

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

Name: Rena Patel

Internal Address: WOODCOCK WASHBURN KURTZ

MACKIEWICZ & NORRIS LLP

One Liberty Place - 46th Floor

Philadelphia, Pennsylvania 19103-7301

Street Address: WOODCOCK WASHBURN KURTZ

MACKIEWICZ & NORRIS LLP

One Liberty Place - 46th Floor

1650 Market Street

Philadelphia, Pennsylvania 19103-7301

6. Total number of applications and patents involved: 1

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

(X) Enclosed

() Authorized to be charged to Deposit Account

Number 23-3050

8. Please charge any deficiency or credit any

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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.

Rena Patel/41,412

Name of Person Signing/Reg. No.

Signature

September 23, 1999

Date

Total number of pages including cover sheet, attachments, and document: 5

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

Assistant Commissioner of Patents and Trademarks

Box Assignments

Washington, D.C. 20231

PATENT

REEL: 010268 FRAME: 0291

07-12-1999



To The Honorable Commissioner of Patent
thereof. *MR 7-8-99*

101087860

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Eric Edward Swayze and Peter William Davis

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attached? () YES (X) NO

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() Security Agreement
() Change of Name
() Other:

Execution Date(s): 29 Jul 99 and 29 Jul 99

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

Name: ISIS Pharmaceuticals, Inc.

Street Address: 292 Faraday Avenue

City: Carlsbad

State: CA

ZIP 92008

Additional name(s) & address attached? () YES (X) NO

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Rena Patel/41,412

Name of Person Signing/Reg. No.

Rena Patel..

Signature

July 6, 1999

Date

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Box Assignments

Washington, D.C. 20231

07/09/1999 DNGUYEN 00000269 09272106

FC:581

40.00 DP

A S S I G N M E N T

WHEREAS, We, **Eric Edward Swayze of Carlsbad, California** and **Peter William Davis of Encinitas, California** have invented a certain invention entitled **AMIDE COMPOUND LIBRARIES**, for which we have made application for Letters Patent of the United States, said application having been filed on **March 19, 1999**, and assigned Application No. **09/272,106**; and

WHEREAS, ISIS Pharmaceuticals, Inc. hereinafter referred to as the assignee, of 2292 Faraday Avenue, Carlsbad CA, 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.

ASSIGNMENT - PAGE 1 OF 4

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.

ASSIGNMENT - PAGE 2 OF 4

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

Dated: 6/29/99, 1999Eric Edward Swayze
ERIC EDWARD SWAYZEState of California)
)
County of San Diego) ss.

On this 29th day of June, 1999, before me, the undersigned, a Notary Public for the state, personally appeared ERIC EDWARD SWAYZE personally known to me/proved to me on the basis of satisfactory evidence to be the person who subscribed the foregoing Assignment and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.



WITNESS my hand and official seal.

Lane B.D. Schwartz
Signature of Notary

ASSIGNMENT - PAGE 3 OF 4

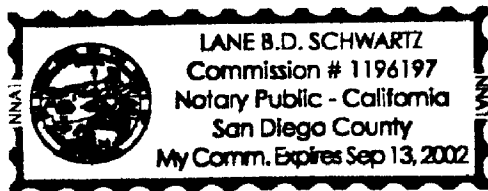
Dated: 6/29, 1999

Peter William Davis
PETER WILLIAM DAVIS

State of California)
)
County of San Diego) ss.

On this 29th day of June, 1999, before me, the undersigned, a Notary Public for the state, personally appeared PETER WILLIAM DAVIS personally known to me/~~proved to me on the basis of satisfactory evidence~~ to be the person who subscribed the foregoing Assignment and acknowledged to me that he/she executed the same in his authorized capacity, and that by his signature on the Assignment the person, or the entity on behalf of which the person acted, executed the Assignment.

WITNESS my hand and official seal.



Lane B.D. Schwartz
Signature of Notary

ASSIGNMENT - PAGE 4 OF 4