

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027
(exp. 5/31/2002)

PATENTS ONLY

IBIS0026-102 (DIBIS-0041US2.P1)

Tab settings ⇨ ⇨ ⇨

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Steven A. Hofstadler
- 2) Lendell L. Cummins

Additional name of conveying party(ies) attached?

Yes No

2. Name and address of receiving party(ies)

Name: ISIS Pharmaceuticals, Inc.

Street Address: 2292 Faraday Avenue

City: Carlsbad State: California Zip: 92008

Additional Name(s) & address(es) attached? Yes No

3. Nature of conveyance:

- Assignment Merger
- License Agreement Security Agreement
- Change of Name Other

Execution Date(s): 1) January 3, 2005; and 2) December 29, 2004.

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)

10/943,344

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Paul K. Legaard, Ph.D.
Cozen O'Connor, P.C.
1900 Market Street
Philadelphia, PA 19103
215-665-2000

6. Total number of applications and patents involved: 01

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

- Enclosed
- Authorized to be charged to deposit account

8. Please charge any deficiency or credit any overpayment to Deposit Account Number 50-1275

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

DO NOT USE THIS SPACE

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.

Paul K. Legaard, Ph.D. / 38,534

Name of Person Signing/Reg. No.

Paul K. Legaard
Signature

26 JANUARY 2005
Date

Total number of pages including cover sheet, attachments, and documents: 05

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

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CH \$40.00 601275 10943344

DOCKET NO.: IBIS0026-102 (DIBIS-0041US2.P1)

PATENT

ASSIGNMENT

WHEREAS, We, Steven A. Hofstadler of Oceanside, California, and Lendell L. Cummins, of San Diego, California have invented a certain invention entitled "Methods For Rapid Purification Of Nucleic Acids For Subsequent Analysis By Mass Spectrometry By Solution Capture," for which we have made an application for Letters Patent of the United States, said application having been filed September 17, 2004 and assigned Application No. 10/943,344; 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

DOCKET NO.: IBIS0026-102 (DIBIS-0041US2.P1)

PATENT

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

PATENT
REEL: 015623 FRAME: 0268

DOCKET NO.: IBIS0026-102 (DIBIS-0041US2.P1)

PATENT

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

Dated: 1.3, 2005

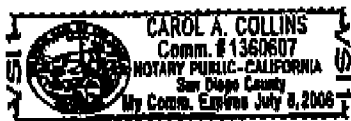
Steven A. Hofstadler
Steven A. Hofstadler

State of California)
County of San Diego) ss.

On this 3rd day of January, 2005, before me, the undersigned, a Notary Public for the state, personally appeared Steven A. Hofstadler, 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.

Carol A. Collins
Signature of Notary



DOCKET NO.: IBIS0026-102 (DIBIS-0041US2.P1)

PATENT

Dated: 12-29, 2007

Lendell L. Cummins
Lendell L. Cummins

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

On this 29th day of December, 2007, before me, the undersigned, a Notary Public for the state, personally appeared Lendell L. Cummins, 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.

Carol A. Collins
Signature of Notary

