

03-18-1999

FORM PTO-1595

1-31-92

Docket No.: ISPH-0336



100987435

U.S. DEPARTMENT OF COMMERCE

RECEIVED Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

ID NO: CPR/FINANCE

To The Honorable Commissioner of Patents and Trademarks. Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies):
Brett P. Monia and Xiaoxing S. XuAdditional name(s) of conveying party(ies)
attached?

() YES (XX) NO

3. Nature of Conveyance:

(XX) Assignment () Merger
() Name Change () Security Agreement
() Other: _____Execution date: **March 4, 1999**

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

Name: **Isis Pharmaceuticals, Inc.**Internal Address: **Carlsbad Research Center**Street Address: **2292 Faraday Avenue**City: **Carlsbad**State: **California**Zip: **92008**

Additional names (s) & address attached?

() YES (XX) NO

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

A. Patent Application No(s). **09/209,668** **FILED December 10, 1998**

B. Patent No(s).

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

Additional numbers attached? () YES (XX) NO

5. Name and address of party to whom
correspondence concerning documents
should be mailed:**Jane Massey Licata, Esq.**
Law Offices of Jane Massey Licata
66 E. Main Street
Marlton, New Jersey 080536. Total number of applications and patents involved: **One (1)**

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

() Enclosed

(XX) Authorized to be charged to deposit account.

8. Deposit Account number: **12-1086**(Attach duplicate copy of this page if paying by deposit
account.)

03/17/1999 JSHABAZZ 00000230 121086 09209668

01 FC:581 40.00 CH

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.**Jane Massey Licata, Reg. No. 32,257**

Name of Person Signing

Signature Jane Massey Licata

March 10, 1999

Total number of pages comprising cover sheet, attachments, and document: **Four**

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

Commissioner of Patents and Trademarks**Box Assignments****Washington, D.C. 20231****PATENT****REEL: 9815 FRAME: 0332**

A S S I G N M E N T

WHEREAS, we **Brett P. Monia and Xiaoxing S. Xu**, hereinafter referred to as the assignors, residing respectively at **7605 Nueva Castilla Way, La Costa, California and 18 Main Street, #3, Madison, New Jersey** are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/209,668**, filed **December 10, 1998**, entitled **Methods of Modulating Tumor Necrosis Factor α -Induced Expression of Cell Adhesion Molecules**; and

WHEREAS, **Isis Pharmaceuticals, Inc.** hereinafter referred to as the assignee, of **Carlsbad, California**, a corporation of **California**, 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.

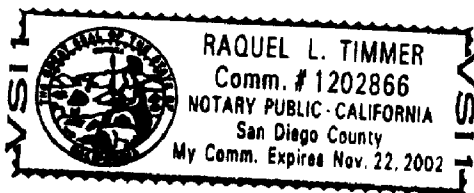
AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all 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

State of California :

COUNTY OF San Diego :

SS

On this 21st day of January, 1999, before me personally came the above named Brett P. Monia to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.



Raquel L. Timmer
Notary Public

State of New Jersey :

COUNTY OF Morris :

SS

On this 4th day of March, 1999, before me personally came the above named Xiaoxing S. Xu to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Alan R. Brown
Notary Public

ALAN R. BROWN
Notary Public of New Jersey
My Commission Expires Sept. 7, 2003