

FORM PTO-1595  
1-31-92  
(modified)

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PATENTS ONLY

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PATENT AND TRADEMARK OFFICE

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Signature 

To the Commissioner of Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1. Michael GRAUPE  
3. John W. PATTERSON  
5. Jiayao LI

2. James T. PALMER  
4. John O. LINK

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

Name: **Axys Pharmaceuticals, Inc.**  
Internal Address:  
Street Address: **180 Kimball Way**  
City: **South San Francisco** State **CA** ZIP: **94080**

Additional name(s) of conveying party(les) attached? ☐ YES ☒ NO

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 1. 6/9/03; 2. 6/10/03; 3. 6/10/03; 4. 6/19/03; 5. 6/9/03

Additional name(s) and address(es) attached? ☐ YES ☒ 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): **10/183,128**

B. Patent No.(s):

Additional numbers attached? ☐ YES ☒ NO

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

Name: **George G. Wang, Reg. No. 41,419**  
Internal Address: **Aventis Pharmaceuticals Inc.**  
Street Address: **Route 202-206 / P.O. Box 6800**  
City: **Bridgewater** State: **NJ** ZIP: **08807-0800**  
\*\* FAX NUMBER: (908) 231-2626 \*\*  
Our Reference No.: **USAV2001/0081 US CIP1**

6. Total number of applications and patents involved: **1**

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

☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: **18-1982**

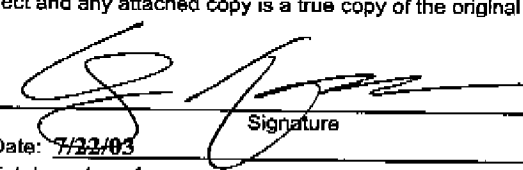
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9. Statement and signature.

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.

**George G. Wang, Reg. No. 41,419**  
Name of Person Signing

Date: 7/22/03

Signature 

Total number of pages comprising cover sheet: **4**

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion  
Mail documents to be recorded with required cover sheet information to:  
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USAV2001/0081 US CIP

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Michael Graupe of 1131 Banyan Way, Pacifica, CA 94044; James T. Palmer of 131 Koch Road, Corte Madera, CA 94925; John W. Patterson of 1619 Montalto Drive, Mountain View, CA 94040; John O. Link of 12 Prospect Avenue, San Francisco, CA 94110, and Jiayao Li of 888 Foster City Blvd., Foster City, CA 94404, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: NOVEL COMPOUNDS AND COMPOSITIONS AS  
CATHEPSIN INHIBITORS

Date(s) of execution of Declaration:

Filing Date: June 26, 2002

Application No.: 10/183,128

WHEREAS, Axys Pharmaceuticals, Inc., hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

///

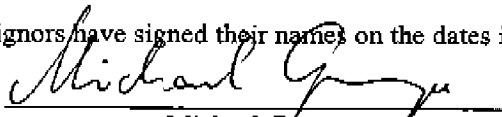
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## Assignment

Attorney Docket No.: 1016US

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: June 9, 2003  
Michael Graupe


## SIGNATURE WITNESSED BY:

(1) Date: 09 June 2003  
Signature of Witness 1(2) Date: June 9, 2003  
Signature of Witness 2


IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: JUNE 10, 2003  
James T. Palmer


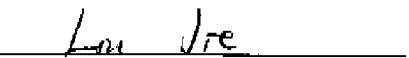
## SIGNATURE WITNESSED BY:

(1) Date: 06/10/03  
Signature of Witness 1(2) Date: 6/10/03  
Signature of Witness 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 6/10/03  
John W. Patterson

## SIGNATURE WITNESSED BY:

(1) Date: 06.10.03.  
Signature of Witness 1(2) Date: 06/10/03  
Signature of Witness 2

Assignment  
 Attorney Docket No.: 1016US  
 Page 3

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: June 19, 2003

John O. Link  
 John O. Link

SIGNATURE WITNESSED BY:

(1) Date: 6/19/03

Robert L. Benson  
 Signature of Witness 1

(2) Date: 6/19/03

Janine J. Wade  
 Signature of Witness 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: June 9, 2003

Jiayao Li  
 Jiayao Li

SIGNATURE WITNESSED BY:

(1) Date: June 9, 2003

[Signature]  
 Signature of Witness 1

(2) Date: June 10, 2003

[Signature]  
 Signature of Witness 2