

08-10-1998

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Atty. Docket No.

Rev. (6-93)

7-2-98



100789455

To the Honorable Commission
Please record the attached

reof. ATTN: BOX ASSIGNMENTS

1. Name of conveying party(ies)
Xumu Zhang
Additional names(s) of conveying party(ies) attached? ___ Yes ___ X No

2. Name and address of receiving party(ies):
Name: Pennsylvania State University
Internal Address: _____

3. Nature of conveyance:
 Assignment
 Security Agreement
 Other
 Merger
 Change of Name

Street Address: 113 Technology Center
200 Innovation Boulevard
City: University Park
State: PA ZIP: 16802-7000

Execution Date: May 27, 1998

Additional name(s) & address(es) 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)

09/000,118

B. Patent No.(s)

Additional numbers attached? ___ Yes ___ X No

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

Name: Thomas Monahan, Reg. No. 29,835

Internal Address: _____

Intellectual Property Office

Pennsylvania University

Street Address: 113 Technology Center

City: University Park

State: PA ZIP: 16802

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 1.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: _____

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.

Richard B. Racine, Reg. No. 30,415

Name of Person Signing

[Signature]
Signature

6/29/98

Date

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

ASSIGNMENT

FOR VALUE RECEIVED, I, XUMU ZHANG

hereby sell, assign and transfer unto THE PENN STATE RESEARCH FOUNDATION

as assignee, and its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter invented by me and disclosed and claimed in an application for Letters Patent of the United States of America, entitled:

"ASYMMETRIC SYNTHESIS AND CATALYSIS WITH CHIRAL HETEROCYCLIC COMPOUNDS"

signed by me on the date set forth below; and in and to any and all divisions, reissues, continuations and extensions thereof; and in and to all corresponding applications for Letters Patent and all Convention and Treaty Rights of any kind, in all countries throughout the world, for all such subject matter.

I request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

I agree that, when requested, I will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

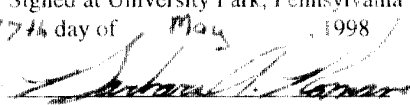

I authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Signed at University Park, Pennsylvania
this 27th day of May, 1998

Witness

Xumu Zhang