

A/05181.40

18 JUL 2008

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 7/31/2008)

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

07-24-2008

12/087976



103515703

To the Director of the U.S. Patent:

documents or the new address(es) below.

80.817

1. Name of conveying party(ies)

Zijian Xie
Joseph I. Shapiro

2. Name and address of receiving party(ies)

Name: The University of Toledo

Internal Address: _____

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) February 13, 2008

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

Street Address: 2801 W. Bancroft Street

City: Toledo

State: Ohio

Country: US Zip: 43606

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

4. Application or patent number(s):

This document is being filed together with a new application.
A. Patent Application No.(s) _____
B. Patent No.(s) _____

Additional numbers attached? Yes No

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

Name: Patrick P. Pacella, Esq.

Internal Address: Emch, Schaffer, Schaub &

Porcello Co., L.P.A.

Street Address: P.O. Box 916

City: Toledo

State: Ohio Zip: 43697-0916

Phone Number: 419-243-1294

Fax Number: 419-243-8502

Email Address: essp@essp-law.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number _____

Authorized User Name _____

9. Signature: Patrick P. Pacella
Signature

July 15, 2008
Date

Patrick P. Pacella
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

07/22/2008 BPFEY1 00000031 150A25 12087375
06 FD16021 40.00 DP

12/087976

ASSIGNMENT

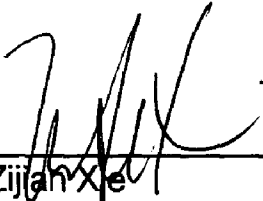
WHEREAS, we, Zijian Xie, of 7670 Secretariat Dr., Saline, Michigan 48176, and Joseph I. Shapiro, of 7027 Altonbrough Drive, Toledo, Ohio 43617, have invented a Na/K-ATPase ligand for which we have executed application for PCT application on 30 January, 2007, and filed as Serial No. PCT/US07/02365; and

WHEREAS, The University of Toledo, of 2801 W. Bancroft Street, Toledo, Ohio, organized and operating in the State of Ohio, is desirous of acquiring the entire interest in and to said invention and any Letters Patent to issue therefor;

NOW THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations to me in hand paid, the receipt whereof is hereby acknowledged, we, Zijian Xie and Joseph I. Shapiro, do hereby sell, assign and transfer unto the said, , its successors or assigns, the entire right, title and interest in and to said application and invention in the United States and all countries foreign thereto, including the right of priority under the International Convention of 1883 and later modifications thereof, and to any Letters Patent to issue therefor, and I hereby request the Commissioner of Patents and Trademarks of the United States to issue to said company any Letters Patent thereon, in accordance with the terms of this assignment.

We agree to execute any and all documents required by said company, its successors or assigns, for the prosecution of said application, or of any division, continuation, reissue, or reexamination thereof, or for securing foreign patents

covering said invention, and also any documents required by it, its successors or assigns, to more fully vest in it or them title to said invention, or to any application or patent that may be filed therefor or secured thereon.




Zijian Xie

STATE OF OHIO)
) ss.
COUNTY OF LUCAS)


On this 13th day of February, 2008, before me appeared Zijian Xie, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.

(SEAL)



Notary Public

MAUREEN S. GILMORE, Notary Public
State of Ohio
My Commission Expires July 26, 2009




Joseph I. Shapiro

STATE OF OHIO)
) ss.
COUNTY OF LUCAS)

On this 13th day of February, 2008, before me appeared Joseph I. Shapiro, to me personally known, and acknowledged the signing of the above instrument to be his free act and deed.

(SEAL)



Notary Public

MAUREEN S. GILMORE, Notary Public
State of Ohio
My Commission Expires July 26, 2009