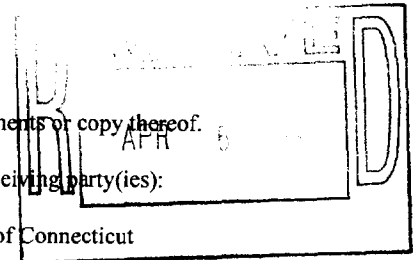


04-12-1999



HEET



TO THE ASSISTANT COMMISSIONER,

101005964

Final documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

1. Thomas T. Chen

Additional name(s) of conveying party(ies) attached?

() Yes (X) No

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

Name: The University of Connecticut

Internal Address:

Street Address: 263 Farmington Avenue

City: Farmington State: CT ZIP: 06030-5355

Additional name(s) of receiving party(ies) attached?

() Yes (X) No

3. Nature of conveyance:

- (X) Assignment  
( ) Merger  
( ) Security Agreement  
( ) Change of Name  
( ) Other:

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1. 03/29/99

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

( ) Application(s) filed herewith Execution Date(s):

(X) Patent Application No.: 08/844,530  
Filing Date: 04/18/97

( ) Patent No.:  
Issue Date:

Additional numbers attached? ( ) Yes (X) No

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

Name: Neil S. Bartfeld, Ph.D.  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995

Internal Address: Sixteenth Floor

Street Address: 620 Newport Center Drive

City: Newport Beach State: CA ZIP: 92660

Attorney's Docket No.: UC047.001A2

7. Total fee (37 CFR 3.41): \$40

(X) Enclosed

(X) Authorized to be charged to deposit account if any additional fees are required, or to credit any overpayment

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Neil S. Bartfeld, Ph.D.  
Name of Person Signing

Signature

Date

39,901

Registration No.

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

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

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Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 9865 FRAME: 0907

Joint

ASSIGNMENT

WHEREAS, I, Thomas T. Chen, an employee of the University of Connecticut, have, together with Jane C. Burns, an employee of the University of California, invented certain improvements described in United States Patent Application Serial No. 08/844,530 filed on April 18, 1997 entitled "PANTROPIC RETROVIRAL VECTORS FOR GENE TRANSFER IN MOLLUSKS" and in such related applications for Letters Patent which have been filed or which in the future may be filed;

WHEREAS, The University of Connecticut (hereinafter "ASSIGNEE"), a public institution of higher education organized and existing under the laws of the State of Connecticut, and having a usual place of business at 263 Farmington Avenue, Farmington, Connecticut 06030-5355, desires to acquire an interest therein in accordance with ASSIGNEE's policies and/or agreements duly entered into with me;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, my entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described above, together with my entire right, title and interest in and to any such applications and such Letters Patent as may issue thereon; said invention, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by me had this assignment and sale not been made; I hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. I hereby acknowledge that this assignment, being of my entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE in its own name as assignee of my entire right, title and interest therein;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may in the future be deemed necessary to secure fully, to the extent of my entire right, title and interest, the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges,

including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, I do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives, jointly with my named coinventors and/or with their successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my seal as of the date set forth below.

Inventor: Thomas T. Chen  
Thomas T. Chen

State/Commonwealth  
of Connecticut  
County of Tolland

Then personally appeared before me the above-named Thomas T. Chen and acknowledged that he executed the foregoing instrument as his free act and deed this 29<sup>th</sup> day of March, 1999.

(SEAL)

Robert F. Vieth Notary Public  
Robert F. Vieth (print name)  
My Commission expires 10/31/2001