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To the Honorable Commissioner of Patents

101072743

d original documents or copy thereof.

1. Name of conveying party(ies):

Alan P. Escher
Jingxue Liu

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

Name: LOMA LINDA UNIVERSITY

Internal Address: LOMA LINDA, CA 92350

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

3. Nature of conveyance:

- Assignments Merger
- Security Agreement Change of Name
- Other _____

Street Address: _____

City: LOMA LINDA State: CA ZIP: 92350

Execution Date: June 2, 1999

Additional name(s) & 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: June 10, 1999.

A. Patent Application No.(s)

B. Patent No.(s)

09/330317

Additional numbers attached? Yes No

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

Name: David A. Farah, M.D.

Internal Address: c/o Sheldon & Mak

225 South Lake Avenue, 9th Floor

Pasadena, CA 91101

Street Address: 225 South Lake Ave., 9th Floor

City Pasadena State CA ZIP 91101

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

19-2090

(Attach duplicate copy of this page if paying by deposit account)

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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.

David A. Farah, M.D.

June 10, 1999

Name of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

Do not detach this portion

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

**Box Assignment
Assistant Commissioner for Patents
Washington, D.C. 20231**

10516 U.S. PTO
09/330317
06/11/99

ASSIGNMENT

WHEREAS, I, JINGXUE LIU, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **SECRETED RENILLA LUCIFERASE** and filed herewith.

AND WHEREAS LOMA LINDA UNIVERSITY, a nonprofit organization (hereinafter, together with any successors, legal representatives of assigns thereof, called "Assignee"), wants to acquire the entire right, title, and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title, and interest in and to said improvements, and said application and all divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, inventor(s) certificates, and the like), heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all extensions, renewals, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries.

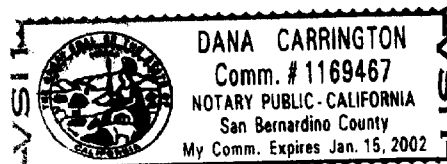
IN TESTIMONY WHEREOF, I hereunto set my hand this 2nd day of June, 1999.

Jingxue Liu
JINGXUE LIU

STATE OF CALIFORNIA)
) ss.
COUNTY OF)
San Bernardino)

On June 2, 1999, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared Jingxue Liu, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/she executed the same.

Dana Carrington
(Notary Public)



ASSIGNMENT

WHEREAS, I, **ALAN P. ESCHER**, have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled **SECRETED RENILLA LUCIFERASE** and filed herewith.

AND WHEREAS **LOMA LINDA UNIVERSITY**, a nonprofit organization (hereinafter, together with any successors, legal representatives of assigns thereof, called "Assignee"), wants to acquire the entire right, title, and interest in and to said improvements and application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to Assignee the entire right, title, and interest in and to said improvements, and said application and all divisions, substitutions, continuations and continuations-in-part thereof, and all United States Letters Patents which may be granted thereon and all reissues and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, inventor(s) certificates, and the like), heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all extensions, renewals, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to Assignee in accordance with the terms of this assignment;

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

AND I HEREBY further covenant and agree that I will communicate to Assignee any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute and reissue applications, make all rightful oaths, and generally do everything possible to aid Assignee to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand this 2nd day of June, 1999

Alan P. Escher
ALAN P. ESCHER

STATE OF CALIFORNIA)
) ss.
COUNTY OF)

San Bernardino

On June 2, 1999, before the undersigned, a Notary Public for the State and County aforesaid, personally appeared Alan P. Escher, known to me or proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the above assignment, and acknowledged that he/she executed the same.

Dana Carrington
(Notary Public)

