

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Beatrice Hahn</td><td>12/14/2009</td></tr><tr><td>Weimin Liu</td><td>12/14/2009</td></tr></tbody></table>		Name	Execution Date	Beatrice Hahn	12/14/2009	Weimin Liu	12/14/2009
Name	Execution Date						
Beatrice Hahn	12/14/2009						
Weimin Liu	12/14/2009						
RECEIVING PARTY DATA							
Name:	University of Alabama						
Street Address:	701 20th St.						
Internal Address:	Suite AB 770						
City:	Birmingham						
State/Country:	ALABAMA						
Postal Code:	35294-0111						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12598271</td></tr></tbody></table>		Property Type	Number	Application Number:	12598271		
Property Type	Number						
Application Number:	12598271						
CORRESPONDENCE DATA							
Fax Number:	(770)951-0933						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	770-933-9500						
Email:	sara.rogers@tkhr.com						
Correspondent Name:	THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LL						
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ATTORNEY DOCKET NUMBER:	50508-1690						
NAME OF SUBMITTER:	Christopher B. Linder						
Total Attachments: 5 source=01122026#page1.tif							

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PATENT
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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Beatrice Hahn
Weimin Liu

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

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

Execution Date(s) 12/14/09

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

2. Name and address of receiving party(ies)

Name: University of Alabama

Internal Address: Suite AB 770

Street Address: 701 20th St.

City: Birmingham

State: AL

Country: US Zip 35294-0111

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)

12/598,271

Additional numbers attached? ☐ Yes ☒ No

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

Name: THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP

Internal Address: SUITE 1500

Street Address: 600 GALLERIA PARKWAY

City: ATLANTA

State: GEORGIA Zip: 30339

Phone Number: (770) 933-9500

Fax Number: (770) 951-0933

Email Address: sara.rogers@tkhr.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 to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:


Signature

3/31/10
Date

Christopher B. Linder
Name of Person Signing

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

5

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

**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

Name

Address

Beatrice Hahn

3571 Rockhill Rd., Birmingham, AL 35223

Weimin Liu

2529 Mountain Cove, Hoover, AL 35226

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**ENHANCEMENT OF GLYCOPROTEIN INCORPORATION INTO VIRUS-LIKE
PARTICLES,**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on 10/30/09, and assigned Serial No. 12/598,271, and
- ☐ further described in U.S. Provisional application entitled _____, filed with the USPTO on _____, and assigned Serial No. _____.

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS, University of Alabama, having a place of business at 701 20th St., Suite AB 770, Birmingham, AL 35294-0111, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and

transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

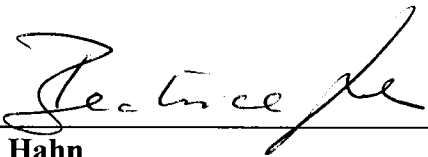
ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.


Beatrice Hahn

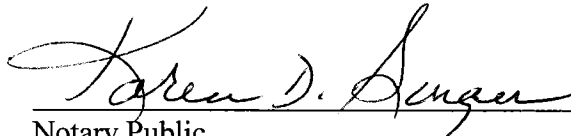
Date: 12/14/09

United States of America

State of ALABAMA

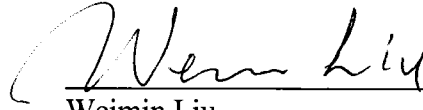
County of JEFFERSON

On this 14th day of December, 2009, before me personally came **Beatrice Hahn** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.


Notary Public

NOTARY PUBLIC STATE OF ALABAMA AT LARGE
MY COMMISSION EXPIRES: Apr 17, 2013
BONDED THRU NOTARY PUBLIC UNDERWRITERS

My Commission Expires (Date)


Weimin Liu

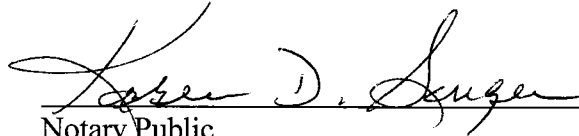
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