

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Joseph C. Glorioso III	04/29/2011
Hiroaki Uchida	04/25/2011
Justus B. Cohen	04/22/2011
RECEIVING PARTY DATA	
Name:	University of Pittsburgh - Of the Commonwealth System of Higher Education
Street Address:	200 Gardner Steel Conference Center
City:	Pittsburgh
State/Country:	PENNSYLVANIA
Postal Code:	15260
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US1132923
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ATTORNEY DOCKET NUMBER:	707941
NAME OF SUBMITTER:	M. Daniel Hefner
Total Attachments: 4 source=707941-Assignment-Executed 5-17-11#page1.tif source=707941-Assignment-Executed 5-17-11#page2.tif source=707941-Assignment-Executed 5-17-11#page3.tif source=707941-Assignment-Executed 5-17-11#page4.tif	

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PATENT

Attorney Docket No. 707941

Leydig, Voit & Mayer, Ltd.
Two Prudential Plaza
Suite 4900
Chicago, Illinois 60601-6731

ASSIGNMENT

WHEREAS, WE, Joseph C. Glorioso III; Hiroaki Uchida; and Justus B. Cohen, of 5220 Fifth Avenue, Pittsburgh, PA 15232; 2-8-5 Mejirodai, Apt. #304, Hachioji-shi, Tokyo 193-0833, Japan; and 2824 Shamrock Drive, Allison Park, PA 15101, respectively, have invented and own a certain invention entitled:

IDENTIFICATION OF MUTATIONS IN HERPES SIMPLEX VIRUS ENVELOPE GLYCOPROTEINS THAT ENABLE OR ENHANCE VECTOR RETARGETING TO NOVEL NON-HSV RECEPTORS

for which invention we have executed an International Application for a U.S. patent, which was filed on April 18, 2011, under International Application No. PCT/US2011/032923, which designates the U.S., and

WHEREAS, University of Pittsburgh - Of the Commonwealth System of Higher Education, of 200 Gardner Steel Conference Center, Pittsburgh, PA 15260 (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

NOW, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

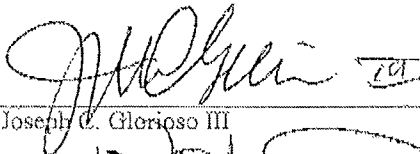
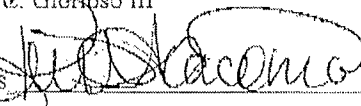
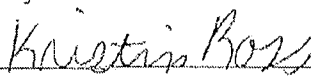
WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

In re Appln. of Glorioso et al.
Attorney Docket No. 707941

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date	<u>4/29/11</u>	
		Joseph C. Glorioso III
Date	<u>4/29/11</u>	
		Witness
Date	<u>4/29/11</u>	
		Witness
<hr/>		
Date	_____	_____
		Hiroaki Uchida
Date	_____	_____
		Witness
Date	_____	_____
		Witness
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Date	_____	_____
		Justus B. Cohen
Date	_____	_____
		Witness
Date	_____	_____
		Witness

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IN WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date _____
Joseph C. Glorioso III

Date _____
Witness _____

Date _____
Witness _____

Date 04/25/2011
Hiroaki Uchida
Hiroaki Uchida

Date 04/25/2011
Witness Hirofumi Hamada
HIROFUMI HAMADA

Date 04/25/2011
Witness Takeshi Fukuhara
TAKESHI FUKUHARA

Date _____
Justus B. Cohen

Date _____
Witness _____

Date _____
Witness _____

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Date _____ Hiroaki Uchida

Date _____ Witness _____

Date _____ Witness _____

Date 04/22/2011 _____
Justus B. Cohen

Date 04/22/2011 _____
Witness Cynthia Bayman

Date 4/22/2011 _____
Witness Deanna Poltruchio