

PATENT ASSIGNMENT

Electronic Version v1.1
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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | |
|---|---|---------------|----------------|---------------------|------------|---------------|------------|----------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>WILLIAM M SWITZER</td> <td>10/25/2007</td> </tr> <tr> <td>WALID HENEINE</td> <td>10/25/2007</td> </tr> <tr> <td>THOMAS M FOLKS</td> <td>10/29/2007</td> </tr> </tbody> </table> | | Name | Execution Date | WILLIAM M SWITZER | 10/25/2007 | WALID HENEINE | 10/25/2007 | THOMAS M FOLKS | 10/29/2007 |
| Name | Execution Date | | | | | | | | |
| WILLIAM M SWITZER | 10/25/2007 | | | | | | | | |
| WALID HENEINE | 10/25/2007 | | | | | | | | |
| THOMAS M FOLKS | 10/29/2007 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| Name: | THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES, CENTERS FOR DISEASE CONTROL AND PREVENTION | | | | | | | | |
| Street Address: | TECHNOLOGY TRANSFER OFFICE | | | | | | | | |
| Internal Address: | 4770 BUFORD HWY (K79) | | | | | | | | |
| City: | ATLANTA | | | | | | | | |
| State/Country: | GEORGIA | | | | | | | | |
| Postal Code: | 30341 | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12829125</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12829125 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 12829125 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
| Fax Number: | (503)595-5301 | | | | | | | | |
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| Phone: | 5035955300 | | | | | | | | |
| Email: | ilka.dalton@klarquist.com | | | | | | | | |
| Correspondent Name: | Klarquist Sparkman LLP | | | | | | | | |
| Address Line 1: | 121 SW Salmon St., #1600 | | | | | | | | |
| Address Line 4: | Portland, OREGON 97204 | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 6395-77626-15 | | | | | | | | |
| NAME OF SUBMITTER: | Jodi L. Connolly | | | | | | | | |

CH \$40.00 12829125

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**PATENT
 REEL: 024637 FRAME: 0194**

Total Attachments: 3
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ASSIGNMENT

We, William M. Switzer, of Stone Mountain, Georgia, a citizen of the United States of America, Walid Heneine, of Atlanta, Georgia, a citizen of the United States of America, Thomas M. Folks, of Lithonia, Georgia, a citizen of the United States of America, in collaboration with Nathan D. Wolfe, of Baltimore, Maryland; and Donald S. Burke, Washington, D.C., have invented PRIMATE T-LYMPHOTROPIC VIRUSES. This is an Assignment of the following rights, title and interest: (check all that apply):

- ☒ United States of America rights, title and interest in the invention.
- ☒ Foreign rights, title and interest in the invention.
- ☒ United States Provisional Patent Application Serial No. 60/654,484 filed on February 21, 2005.
- ☒ United States Patent Application Serial No. 11/678,596; Date of Execution: _____; Date of Filing: February 24, 2007.
- ☒ International PCT Patent Application Serial No. PCT/US06/05869 filed on February 21, 2006.

We were employed by the Department of Health and Human Services at the time the invention was made. The conditions under which said invention was made are such as to entitle the Government of the United States of America under Paragraph 1(a) of Executive Order 10096, to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of our obligations under Executive Order 10096, and other valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we the undersigned, have voluntarily sold, assigned, and transferred and do voluntarily sell, assign, and transfer to The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services, Centers for Disease Control and Prevention (hereinafter THE GOVERNMENT), and successors and assigns, our full and exclusive right, title, and interest in the patent application and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reexamination, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to THE GOVERNMENT, as assignee of our entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest

herein conveyed at the time of the execution of the present assignment.

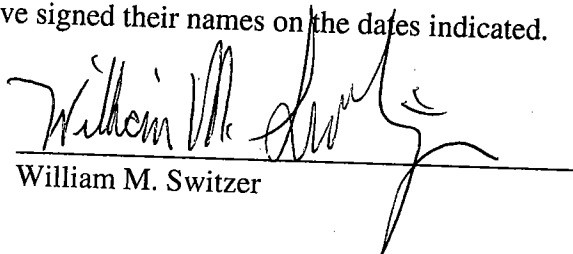
We also agree upon reasonable request to communicate to THE GOVERNMENT, its representatives, assigns or agents, any facts known to us respecting the invention, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid THE GOVERNMENT and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We have authorized THE GOVERNMENT to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. THE GOVERNMENT has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf.

We grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

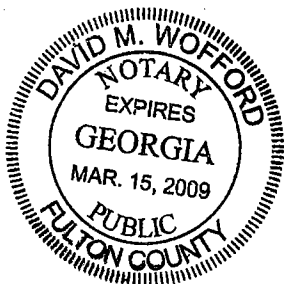
Dated: 10/25/07

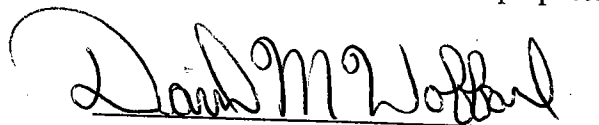

William M. Switzer

STATE OF Georgia)
COUNTY OF Fulton) ss.

This 25 day of October, 2007, before me personally came the above-named William M. Switzer, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

[SEAL]




Notary Public for cdc fcu
My commission expires: 3-15-2009

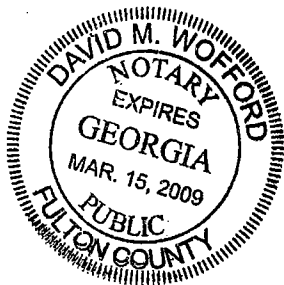
Dated: 10/25/2007

Walid Heneine
Walid Heneine

STATE OF Georgia)
COUNTY OF Fulton) ss.

This 25 day of October, 2007, before me personally came the above-named Walid Heneine, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

[SEAL]



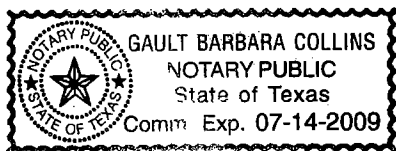
David M. Wofford
Notary Public for CDC FCU
My commission expires: 3-15-2009

Dated: 10/29/07

Thomas M. Folks
Thomas M. Folks

STATE OF TX)
COUNTY OF Bexar) ss.

This 29th day of October, 2007, before me personally came the above-named Thomas M. Folks, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.



[SEAL]

Barbara Collins Gault
Notary Public for St. of Texas
My commission expires: 7-14-09