

## PATENT ASSIGNMENT COVER SHEET

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| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT   |
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| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| RICHARD M. KINNEY   | 08/07/2002   |
| CLAIRE Y. H. KINNEY   | 08/07/2002   |
| DUANE J. GUBLER   | 08/07/2002   |
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| <b>State/Country:</b>   | GEORGIA  |
| <b>Postal Code:</b>   | 30341  |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| Application Number:   | 15257430   |
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| <b>NAME OF SUBMITTER:</b>   | SUSAN W. GRAF, PH.D.   |
| <b>SIGNATURE:</b>   | /Susan W. Graf/  |
| <b>DATE SIGNED:</b>   | 09/09/2016   |
| <b>Total Attachments: 2</b>   |  |

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ASSIGNMENT

**WHEREAS**, we, Richard M. Kinney, Claire Y.H. Kinney, and Duane J. Gubler, employees of the Department of Health and Human Services, Centers for Disease Control and Prevention at the time this invention was made, along with Siritorn Butrapet and Natth Bhamarapravati, have invented "**AVIRULENT, IMMUNOGENIC FLAVIVIRUS CHIMERAS**," for which we have made application for Letters Patent of the United States, Serial No. 10/204,252, filed Feb. 16, 2001, International Patent Application Number PCT/US01/05142, filed February 16, 2001 and U.S. Provisional Application Serial No. 60/182,829, filed February 16, 2000; and

**WHEREAS**, we are the applicants named in the above-identified applications for Letters Patent; and

**WHEREAS**, the conditions under which said invention was made are such as to entitle **THE UNITED STATES OF AMERICA** [hereinafter **THE GOVERNMENT**] under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

**WHEREAS, THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the application(s) for Letters Patent; and

**NOW, THEREFORE**, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to **THE GOVERNMENT**, as represented by the Secretary, Department of Health and Human Services, Centers for Disease Control and Prevention, the full and exclusive rights in and to said invention in the United States and within each and every foreign country in which **THE GOVERNMENT** elects to file and the entire right, title, and interest in and to such application, and any subsequent application claiming

priority to the above-identified application under 35 U.S.C. § 119(e), continuation, continuation-in-part, division, reissue, reexamination, or extension thereof, and including priority rights as may be filed in the United States and foreign countries, and such Letters Patent as may be granted to be held by **THE GOVERNMENT** to the end of the term for which the same would have been held by the inventors had this assignment not been made.

We further agree to make, execute, and deliver to the Secretary, Department of Health and Human Services, Centers for Disease Control and Prevention, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist **THE GOVERNMENT** in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by **THE GOVERNMENT**.

We also authorize counsel for **THE GOVERNMENT** to enter above the filing date and serial number of the application when they become available.

  
RICHARD M. KINNEY

Aug 7, 2002  
DATE

  
CLAIRE Y.H. KINNEY

Aug 7, 2002  
DATE

  
DUANE J. GUBLER

7 Aug 2002  
DATE