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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4871703

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| <b>SUBMISSION TYPE:</b>   | CORRECTIVE ASSIGNMENT  |
| <b>NATURE OF CONVEYANCE:</b>  | Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 044244 Frame 0323. Assignor(s) hereby confirms the ASSIGNMENT. |
| <b>CONVEYING PARTY DATA</b>   |  |
| <b>Name</b>   | <b>Execution Date</b>  |
| RICHARD HODES   | 06/27/2011   |
| JEFFREY J. CHIANG   | 06/27/2011   |
| <b>RECEIVING PARTY DATA</b>   |  |
| <b>Name:</b>  | THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES                                   |
| <b>Street Address:</b>  | 6011 EXECUTIVE BOULEVARD, SUITE 325  |
| <b>Internal Address:</b>  | NATIONAL INSTITUTES OF HEALTH, OFFICE OF TECHNOLOGY TRANSFER   |
| <b>City:</b>  | ROCKVILLE  |
| <b>State/Country:</b>   | MARYLAND   |
| <b>Postal Code:</b>   | 20852-3804   |
| <b>PROPERTY NUMBERS Total: 1</b>  |  |
| <b>Property Type</b>  | <b>Number</b>  |
| <b>Application Number:</b>  | 15089016   |
| <b>CORRESPONDENCE DATA</b>  |  |
| <b>Fax Number:</b>  | (617)526-5000  |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |  |
| <b>Phone:</b>   | 6175266000   |
| <b>Email:</b>   | WHIPDocketStaff@wilmerhale.com   |
| <b>Correspondent Name:</b>  | WILMERHALE   |
| <b>Address Line 1:</b>  | 60 STATE STREET  |
| <b>Address Line 4:</b>  | BOSTON, MASSACHUSETTS 02109  |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 19240.639 US3  |
| <b>NAME OF SUBMITTER:</b>   | MICHAEL E. CONNORS   |
| <b>SIGNATURE:</b>   | /Michael E. Connors/   |
| <b>DATE SIGNED:</b>   | 03/19/2018   |
| <b>Total Attachments: 4</b><br>source=US3_Corrective_Assignment#page1.tif   |  |

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## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4707824

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|---|---|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT  |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT  |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>   |
| RICHARD HODES   | 06/27/2011  |
| JEFFREY J. CHIANG   | 06/27/2011  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS REPRESENTED BY THE SECRETARY OF THE DEPARTMENT OF HEALTH AND HUMAN SERVICES |
| <b>Street Address:</b>  | 6011 EXECUTIVE BOULEVARD, SUITE 325   |
| <b>Internal Address:</b>  | NATIONAL INSTITUTES OF HEALTH, OFFICE OF TECHNOLOGY TRANSFER  |
| <b>City:</b>  | ROCKVILLE   |
| <b>State/Country:</b>   | MARYLAND  |
| <b>Postal Code:</b>   | 20852-3804  |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>   |
| Application Number:   | 15089016  |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (617)526-5000   |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |   |
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| <b>Email:</b>   | WHIPDocketStaff@wilmerhale.com  |
| <b>Correspondent Name:</b>  | WILMERHALE  |
| <b>Address Line 1:</b>  | 60 STATE STREET   |
| <b>Address Line 4:</b>  | BOSTON, MASSACHUSETTS 02109   |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 19240.639 US3   |
| <b>NAME OF SUBMITTER:</b>   | MICHAEL E. CONNORS  |
| <b>SIGNATURE:</b>   | /Michael E. Connors/  |
| <b>DATE SIGNED:</b>   | 11/29/2017  |
| <b>Total Attachments: 2</b>   |   |
| source=Assignment_NIH#page1.tif   |   |



**ASSIGNMENT FOR NIH/FDA INVENTIONS  
(NIH OR FDA CO-INVENTORS ONLY)**

**WHEREAS**, we, Richard Hodes and Jeffrey J. Chiang, employees of the National Cancer Institute/NIH, a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, [hereinafter **The Inventors**], have made certain inventions as described and claimed in the U.S. Patent Application having United States Serial Number 12/441,335, filed March 13, 2009, and which is entitled "AGENTS AND METHODS TO ELICIT ANTI-TUMOR IMMUNE RESPONSE" ("U.S. Application") and;

**WHEREAS**, we are the applicant(s) named in the above-identified U.S. Application; and

**WHEREAS**, the inventions described and claimed therein were made under conditions such as to entitle **THE UNITED STATES OF AMERICA**, as represented by the Secretary, Department of Health and Human Services [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 USC §§200-201, §§206-207, and §210 and 37 CFR Part 501 to the entire right, title, and interest in such inventions; and

**WHEREAS, THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in the U.S. Application; and

**NOW, THEREFORE**, having the legal obligation to assign our right, title and interest in the inventions described and claimed in the above-identified patent application to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in said U.S. Application and any and all Letters Patent which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of said U.S. Application including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patent that may be filed for any and all inventions described and claimed in said U.S. Application that may be filed in any foreign country and all Letters Patents that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents as may be granted in the United States or any foreign country 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 GOVERNMENT**, 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. **THE GOVERNMENT** promises to pay any reasonable expenses incurred by **The Inventors** in making, executing and delivering of such papers to **THE GOVERNMENT**.

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

**Inventor 1: Richard Hodes**

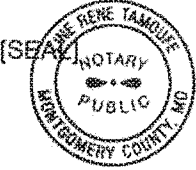
6/27/2011  
Date

Richard J Hodes

County of Montgomery Ss:

State of Maryland

Subscribed and sworn to before me this 27 day of June, 2011.

 Line Rene Tamoufe  
NOTARY PUBLIC  
Montgomery County  
State of Maryland  
My Commission Expires  
4/28/2014

Line Rene Tamoufe  
Notary Public for Montgomery County MD  
My Commission Expires: 4/28/2014

**Inventor 2: Jeffrey J. Chiang**

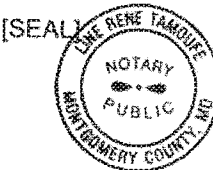
6/27/11  
Date

Jeffrey J. Chiang

County of Montgomery Ss:

State of Maryland

Subscribed and sworn to before me this 27 day of June, 2011.

 Line Rene Tamoufe  
NOTARY PUBLIC  
Montgomery County  
State of Maryland  
My Commission Expires  
4/28/2014

Line Rene Tamoufe  
Notary Public for Montgomery County Md  
My Commission Expires: 4/28/2014