PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3508116

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
|-----------------------|--|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the ASSIGNEE NAME previously recorded on Reel 034988 Frame 0380. Assignor(s) hereby confirms the THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK WEST 116TH STREET AND BROADWAY NEW YORK, CALIFORNIA 10027. |
| | |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| HONG JIANG | 07/27/2011 |
| LEONARD CHESS | 07/27/2011 |

RECEIVING PARTY DATA

| Name: | THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK |
|-----------------|---|
| Street Address: | WEST 116TH STREET AND BROADWAY |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10027 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14540452 |

CORRESPONDENCE DATA

Fax Number: (408)773-6177

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.

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| ATTORNEY DOCKET NUMBER: | 4361-003-US-CON |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | MICHAEL A DAVITZ |
| SIGNATURE: | /MICHAEL A DAVITZ/ |
| DATE SIGNED: | 09/01/2015 |
| · | |

Total Attachments: 4

PATENT REEL: 036516 FRAME: 0882

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PATENT REEL: 036516 FRAME: 0883

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3233394

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| HONG JIANG | 07/27/2011 |
| LEONARD CHESS | 07/27/2011 |

RECEIVING PARTY DATA

| Name: | THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK |
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| Street Address: | WEST 116TH STREET AND BROADWAY |
| City: | NEW YORK |
| State/Country: | CALIFORNIA |
| Postal Code: | 10027 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14540452 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 4361-003-US-CON |
|-------------------------|---------------------|
| NAME OF SUBMITTER: | MICHAEL A. DAVITZ |
| SIGNATURE: | /Michael A. Davitz/ |
| DATE SIGNED: | 02/19/2015 |

Total Attachments: 3

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> **PATENT** REEL: 036516 FRAME: 0884

Attorney Docket No. 79800-A-PCT-US/JPW/WS

Assignment of Non-Provisional Application

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, Hong Jiang of 2100 Linwood Avenue, Apt. 5A, Fort Lee, New Jersey 07024, United States of America; and

Leonard Chess of 81 Greenacres Avenue, Scarsdale, New York 10583, United States of America

Hereby sell, assign and transfer to The Trustees of Columbia University in the City of New York, a not for profit corporation of the State of New York, having a place of business at West 116th Street and Broadway 10027, in the County of New York and State of New York, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the application for United States Patent, which has been executed by the undersigned on July 27, 2011 and July 27, 2011 and is entitled USE OF 5C8 MAB AND DIRECT INDUCTION OF REGULATORY CD8+ T CELLS TO ESTABLISH PERMANENT AND SPECIFIC TRANSPLANTATION TOLERANCE (U.S. Serial No. 13/144,579, §371 national stage of PCT International Application No. PCT/US2010/000409, filed February 9, 2010, claiming the benefit of U.S. Provisional Applications Nos. 61/276,738, filed September 15, 2009 and 61/207,352, filed February 10, 2009)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Authorize and request the Commissioner for Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

JPW Rev. April 19, 2007

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 7/27/11
Witness: Zam Hu (signature)
Lawrence Hernancle 2 (printed name)
(e30 W. 1690 St. (publics)

JPW Rev. April 19, 2007

Page 3

Date: 7/27/11
Witness: Law Her signature |
Law rence | Kernander | Infinited name |
(030 W. 1689k) | Indirect |
WY NY 18032

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