503217932 03/13/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT3264551 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Zhirui Wang	01/15/2015
David H. Sachs	01/15/2015
Christene A. Huang	01/15/2015

RECEIVING PARTY DATA

Name:	The General Hospital Corporation
Street Address:	55 Fruit Street
City:	Boston
State/Country:	MASSACHUSETTS
Postal Code:	02114

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14389013

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: (617) 542-5070 Email: apsi@fr.com

JANICE K. DEYOUNG **Correspondent Name:** Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

MINNEAPOLIS, MINNESOTA 55440-1022 Address Line 4:

ATTORNEY DOCKET NUMBER: 29539-0061US1 **NAME OF SUBMITTER:** CHRISTINE M. GRACE SIGNATURE: /Christine M. Grace/ **DATE SIGNED:** 03/13/2015

Total Attachments: 7

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> **PATENT** REEL: 035161 FRAME: 0667 503217932



PATENT REEL: 035161 FRAME: 0668

<u>ASSIGNMENT</u>

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ZHIRUI WANG, DAVID H. SACHS, and CHRISTENE A. HUANG, each individually assign to THE GENERAL HOSPITAL CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 55 Fruit Street, Boston, MA 02114, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "RECOMBINANT CYTOTOXIC T-LYMPHOCYTE-ASSOCIATED PROTEIN 4 (CTLA4)", and was filed in the United States Patent and Trademark Office on September 29, 2014, as application 14/389,013 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

Assignment Page 1 of 5

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

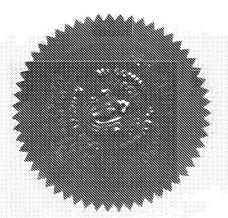
Zhirui Wang

DATE: 01/15/2015

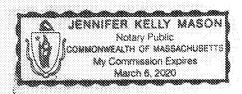
The Commonwealth of Massachusetts

SURIV) ss.





Jenniter Celegliasen Notary Public



Assignment Page 2 of 5

David H. Sachs

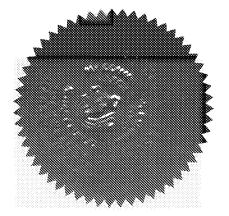
David H. Sachs

The Commonwealth of Massachusetts

Sulfollh ss.



On this 15 day of 10000, 2015 before me, the undersigned notary public, personally appeared 2016 Socho, proved to me through satisfactory evidence of identification, which were 109 State 1000, to be the person(s) whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that 11 signed it voluntarily for its stated purpose.



Nofary Public Velly I Cason

JENNIFER KELLY MASON

Notary Public

SOMMONWEALTH OF MASSACHUSETTS

My Commission Expires

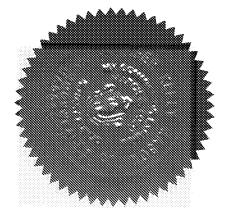
March 6, 2020

Christene A. Huang DATE: 1.15.15

The Commonwealth of Massachusetts

<u> 5u/2011</u> ss.





JENNIFER KELLY MASON

March 6, 2020

Assignment Page 4 of 5

The Assignee hereby acknowledge	s and accepts the foregoing assignment.
Assignee: THE GENERAL HOSPI	TAL CORPORATION
Signature:	Date:
Name:	
Title:	
The C	ommonwealth of Massachusetts
SS.	
On this day of	, 20, before me, the undersigned notary
public, personally appeared	, proved to me through
	on, which were, to be
	signed on the preceding or attached document, and
•	_ signed it voluntarily for its stated purpose.
	Notary Public

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Assignment Page 5 of 5

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ZHIRUI WANG, DAVID H. SACHS, and CHRISTENE A. HUANG, each individually assign to THE GENERAL HOSPITAL CORPORATION, a corporation formed under the laws of Massachusetts and having a principal place of business at 55 Fruit Street, Boston, MA 02114, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "RECOMBINANT CYTOTOXIC T-LYMPHOCYTE-ASSOCIATED PROTEIN 4 (CTLA4)", and was filed in the United States Patent and Trademark Office on September 29, 2014, as application 14/389,013 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

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We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

Assignment Page 1 of 5

PATENT REEL: 035161 FRAME: 0674

The Assignee hereby acknowledges and accepts the foregoing assignment.
Assignee: THE GENERAL HOSPITAL CORPORATION
Signature: Date: 3/11/15
Name: BRUCK Tederchi
Title: Schick to Manager Thomas St. Intellectual Property Manager (Thomas Cion To Manager) Partners HealthCare
on behalf of the General Hospital Corporation
The Commonwealth of Massachusetts
On this Hay of March, 20 S, before me, the undersigned notary public, personally appeared Struce W (DESCH), proved to me through satisfactory evidence of identification, which were L. Drume Lecause, to be the person(s) whose name(s) is/are signed on the preceding or attached document, and acknowledged to me that signed it voluntarily for its stated purpose.
Notary Public
ANTHONY W. SUTTON Notary Public Commonwealth of Mass chusetts My Commission Expires April 25, 2019

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PATENT REEL: 035161 FRAME: 0675

RECORDED: 03/13/2015