

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LAURENCE J.N. COOPER	02/19/2016
HIROKI TORIKAI	01/12/2016
LING ZHANG	01/12/2016
HELEN HULS	12/14/2016
FENG WANG-JOHANNING	01/15/2016
LENKA HURTON	02/09/2016
SIMON OLIVARES	01/15/2016
JANANI KRISHNAMURTHY	12/14/2016
RECEIVING PARTY DATA	
Name:	BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM
Street Address:	201 WEST 7TH STREET
City:	AUSTIN
State/Country:	TEXAS
Postal Code:	78701
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14890977
CORRESPONDENCE DATA	
Fax Number:	(512)334-2900
<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>	
Phone:	5123342900
Email:	chamilton@phiplaw.com
Correspondent Name:	CAROLINE HAMILTON,PARKER HIGHLANDER PLLC
Address Line 1:	1120 S. CAPITAL OF TEXAS HIGHWAY
Address Line 2:	BUILDING ONE, SUITE 200
Address Line 4:	AUSTIN, TEXAS 78746
ATTORNEY DOCKET NUMBER:	UTSC.P1222US
NAME OF SUBMITTER:	CAROLINE HAMILTON
SIGNATURE:	/Caroline Hamilton/

PATENT

DATE SIGNED:	01/18/2017
Total Attachments: 9 source=UTSCP1222US_Assignment#page1.tif source=UTSCP1222US_Assignment#page2.tif source=UTSCP1222US_Assignment#page3.tif source=UTSCP1222US_Assignment#page4.tif source=UTSCP1222US_Assignment#page5.tif source=UTSCP1222US_Assignment#page6.tif source=UTSCP1222US_Assignment#page7.tif source=UTSCP1222US_Assignment#page8.tif source=UTSCP1222US_Assignment#page9.tif	

ASSIGNMENT

We, Laurence J.N. COOPER, of Houston, Texas, a citizen of the United States of America, and Hiroki TORIKAI, of Houston, Texas, a citizen of Japan, Ling ZHANG, of Houston, Texas, a citizen of Canada, Helen HULS, of Houston, Texas, a citizen of the United States of America, Feng WANG-JOHANNING, of Bastrop, Texas, a citizen of the United States of America, Lenka HURTON, of Houston, Texas, a citizen of Canada, Simon OLIVARES, of Houston, Texas, a citizen of the United States of America, and Janani KRISHNAMURTHY, of Houston, Texas, a citizen of India, have invented **HUMAN APPLICATION OF ENGINEERED CHIMERIC ANTIGEN RECEPTOR (CAR) T-CELLS**. 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
- ☐ An application to the Commissioner for Patents of the United States of America filed herewith
- ☒ United States Provisional Patent Application Serial No. 61/823,253 filed on May 14, 2013
- ☒ United States Patent Application Serial No. 14/890,977 filed on November 13, 2015
- ☐ United States Patent No(s).
- ☒ International (PCT) Patent Application Serial No. PCT/US2014/038005 filed on May 14, 2014
- ☐ Other (specify):

We were employed by The University of Texas M. D. Anderson Cancer Center, a State Institution of Higher Education established under the laws of the State of Texas within The University of Texas System, at the time the invention was made. The conditions under which said invention was made are such that the Board of Regents, The University of Texas System (hereinafter SYSTEM), having a place of business at 201 West 7th St., Austin, TX 78701, owns the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

For good and 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 SYSTEM, and successors and assigns, our full and exclusive right, title and interest in and to the invention(s) disclosed in said application throughout the world, including the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in said application. 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 have authorized SYSTEM to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. SYSTEM has the right to select attorneys or agents of its choice to prosecute at its discretion these applications on

its behalf. We authorize and request the issuance of said Letters Patent to SYSTEM, as assignee of the 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 shall not communicate nor cooperate in any manner with any third party, other than SYSTEM, that claims any rights in and to said invention(s) and said application.

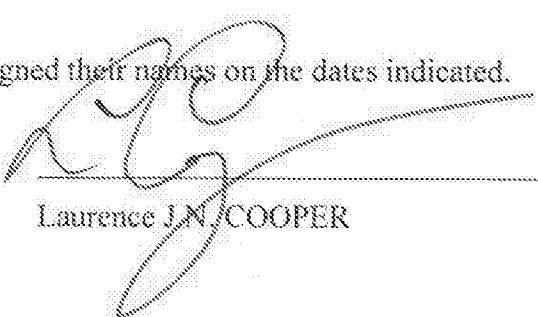
We also hereby assign all rights, title and interest to any improvements related to said invention(s) to SYSTEM and agree to promptly and fully communicate to SYSTEM any facts and information known to us respecting any improvements related to said invention(s) and said application while any patent application anywhere in the world is still pending that claims priority, whether directly or indirectly, from said invention(s) or said application(s). We will maintain any such facts and information in confidence and will only reveal such facts and information to SYSTEM or its assigns.

We also covenant that we will communicate to SYSTEM, its representatives, assigns or agents, any facts known to us respecting said invention(s) or said application(s), 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 SYSTEM and its assigns to obtain and enforce proper patent protection for said invention(s) or said application(s) in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

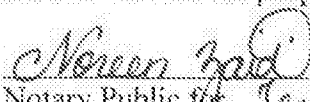
We grant SYSTEM, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

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

Dated: 2/19/16
STATE OF Texas)
COUNTY OF Harris) ss.


Laurence J.N. COOPER

This 19 day of Feb, 2016, before me personally came the above-named Laurence J.N. COOPER, 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.

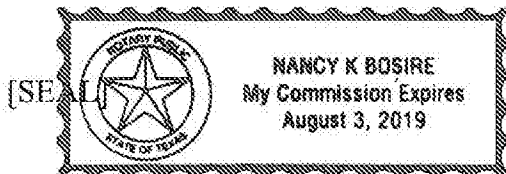

Notary Public for Texas
My commission expires: 6/23/2018



Dated: 1-12-2016
STATE OF TEXAS)
COUNTY OF HARRIS) ss.

Hiroki Torikai
Hiroki TORIKAI

This 12 day of JANUARY, 2016, before me personally came the above-named Hiroki TORIKAI, 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.

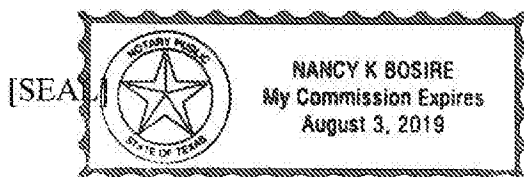


[Signature]
Notary Public for TEXAS
My commission expires: August 3, 2019

Dated: 1-12-2016
STATE OF TEXAS)
COUNTY OF HARRIS) ss.

[Signature]
Ling ZHANG

This 12 day of JANUARY, 2016, before me personally came the above-named Ling ZHANG, 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.



[Signature]
Notary Public for TEXAS
My commission expires: August 3, 2019

Dated: _____
STATE OF _____)
COUNTY OF _____) ss.

Helen HULS

This ____ day of _____, 2016, before me personally came the above-named Helen HULS, 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 _____
My commission expires: _____

Dated: _____

STATE OF _____) Hiroki TORIKAI

_____) ss.

COUNTY OF _____)

This ___ day of _____, 2016, before me personally came the above-named Hiroki TORIKAI, 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.

Notary Public for _____

[SEAL] My commission expires: _____

Dated: _____

STATE OF _____) Ling ZHANG

_____) ss.

COUNTY OF _____)

This ___ day of _____, 2016, before me personally came the above-named Ling ZHANG, 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.

Notary Public for _____

[SEAL] My commission expires: _____

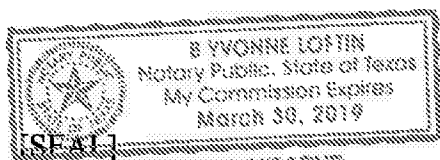
Dated: Dec. 14, 2016

STATE OF Texas) Helen HULS

_____) ss.

COUNTY OF Harris)

This 14th day of December, 2016, before me personally came the above-named Helen HULS, 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.



Notary Public for Texas

My commission expires: 3-30-2019

Dated: 01/15/16
STATE OF California)
COUNTY OF San Mateo) ss.

[Signature]
Feng WANG-JOHANNING

This 15 day of January, 2016, before me personally came the above-named Feng WANG-JOHANNING, 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]

Please See Attached for Notary Stamp & Seal
[Signature]
Notary Public for San Mateo County
My commission expires: June 22 2019

Dated: _____
STATE OF _____)
COUNTY OF _____) ss.

Lenka HURTON

This ___ day of _____, 2016, before me personally came the above-named Lenka HURTON, 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 _____
My commission expires: _____

Dated: _____
STATE OF _____)
COUNTY OF _____) ss.

Simon OLIVARES

This ___ day of _____, 2016, before me personally came the above-named Simon OLIVARES, 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 _____
My commission expires: _____

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of SAN MATEO

On 01/15/2016 before me, FRANCISCO SAENZ (NOTARY PUBLIC)
(insert name and title of the officer)

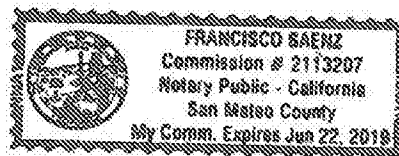
personally appeared FENG WANG-JOHANNING
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

(Seal)



Dated: _____

STATE OF _____)
) ss.
COUNTY OF _____)

Feng WANG-JOHANNING

This ___ day of _____, 2016, before me personally came the above-named Feng WANG-JOHANNING, 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.

Notary Public for _____

[SEAL]

My commission expires: _____

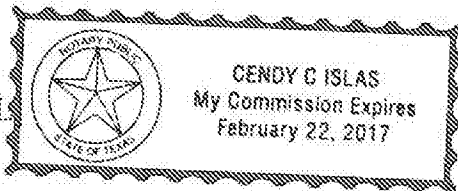
Dated: 2/9/2016

STATE OF TEXAS)
) ss.
COUNTY OF Brazoria)

Lenka HURTON

This 9th day of February, 2016, before me personally came the above-named Lenka HURTON, 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 TEXAS

My commission expires: 02/22/2017

Dated: _____

STATE OF _____)
) ss.
COUNTY OF _____)

Simon OLIVARES

This ___ day of _____, 2016, before me personally came the above-named Simon OLIVARES, 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.

Notary Public for _____

[SEAL]

My commission expires: _____

Dated: _____

STATE OF _____)
) ss.
COUNTY OF _____)

Feng WANG-JOHANNING

This ___ day of _____, 2016, before me personally came the above-named Feng WANG-JOHANNING, 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.

Notary Public for _____

[SEAL]

My commission expires: _____

Dated: ^{NB} 15th _____
STATE OF _____)
) ss.
COUNTY OF _____)

Lenka HURTON

This ___ day of _____, 2016, before me personally came the above-named Lenka HURTON, 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.

Notary Public for _____

[SEAL]

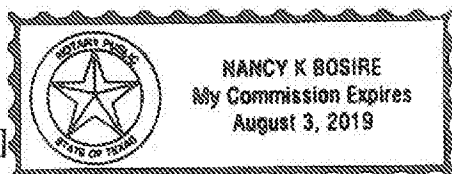
My commission expires: _____

Dated: ^h 15 JAN 2016
STATE OF TEXAS)
) ss.
COUNTY OF HARRIS)


Simon OLIVARES

This ^T 15 day of JANUARY, 2016, before me personally came the above-named Simon OLIVARES, 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]



^{NB} _____
Notary Public for TEXAS

My commission expires: August 3rd, 2019

Dated: Dec - 14 - 2016
STATE OF MASSACHUSETTS
COUNTY OF CAMBRIDGE) ss.

Janani KRISHNAMURTHY
Janani KRISHNAMURTHY

This 14th day of Dec, 2016, before me personally came the above-named Janani KRISHNAMURTHY, 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.

[Signature]

Notary Public for Middlesex County, MA

My commission expires: 08-31-2023

[SEAL]

