PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5202194

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAMES N. KOCHENDERFER	10/18/2018
STEVEN A. ROSENBERG	10/19/2018

RECEIVING PARTY DATA

Name:	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES	
Street Address:	OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH	
Internal Address:	6011 EXECUTIVE BOULEVARD, SUITE 325, MSC 7660	
City:	BETHESDA	
State/Country:	te/Country: MARYLAND	
Postal Code:	20892-7660	

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2016034885

CORRESPONDENCE DATA

Fax Number: (202)318-8359

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.

2023163025 Phone: Email: carla@arrigo.us

CARLA A. MOUTA-BELLUM Correspondent Name:

Address Line 1: ARRIGO, LEE, GUTTMAN & MOUTA-BELLUM, LLP Address Line 2: 2200 PENNSYLVANIA AVE. NW, 4TH FLOOR EAST

Address Line 4: WASHINGTON, D.C. 20037

ATTORNEY DOCKET NUMBER:	KN-1026.03WO
NAME OF SUBMITTER:	CARLA A. MOUTA-BELLUM
SIGNATURE:	/Carla A. Mouta-Bellum/
DATE SIGNED:	10/23/2018

Total Attachments: 3

source=KN-1026.03US - NIH NCI Assignment Executed (004)#page1.tif

PATENT REEL: 047283 FRAME: 0019

505155427

source=KN-1026.03US - NIH_NCI Assignment_Executed (004)#page2.tif source=KN-1026.03US - NIH_NCI Assignment_Executed (004)#page3.tif

PATENT REEL: 047283 FRAME: 0020

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

WHEREAS, I/we, Steven A. Rosenberg and James N. Kochenderfer, an employee/employees of the National Cancer Institute, 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 PCT/US2016/034885, filed 5/27/2016, and which is entitled "DIAGNOSTIC METHODS FOR T CELL THERAPY" ("U.S. Application") and;

WHEREAS, I/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 my/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, I/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 is 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.

I/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.

Page 1 of 3

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

	inventor 1:	
	10/19/18	Flex A. Ford
	Date '	Steven A. Rosenberg
	County of Maryland State of Maryland Subscribed and swom to	Ss: before me this 19 day of October 201, Elick here to enter
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	text. 	By Hung Russell Notary Public for Many August My Commission Expires: 1/2 1/201/

Inventor 2:		
10-18-2018 Date	2 20/6 Punday gen James N. Kochenderfer	
State of Massat Forest N	Montgomery langland is 18 Gay of <u>October, 2018</u> , click	There to enter
HARPREET KAUR NOTARY PUBLIC MONTGOMERY COUNTY MARYLAND	Notary Public for N11-1FC() / My Commission Expires: 11071/20	
Inventor 3:		
Date	Click here to enter text.	
County of		
State of		
Subscribed and sworn to before me this text.	S day ofClick	here to enter
(Seal)		•
	Notary Public for	
		•

Page 3 of 3

PATENT REEL: 047283 FRAME: 0023