PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7515904

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SETH WARDELL	12/29/2019
JAMES BENDER	07/31/2020

RECEIVING PARTY DATA

Name:	IOVANCE BIOTHERAPEUTICS, INC.
Street Address:	825 INDUSTRIAL ROAD, SUITE 400
City:	SAN CARLOS
State/Country:	CALIFORNIA
Postal Code:	94070

PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	17823445
Application Number:	17823448
Application Number:	17823454
Application Number:	17823419

CORRESPONDENCE DATA

Fax Number: (415)442-1001

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: 4154421000

Email: lauren.sarrico@morganlewis.com
Correspondent Name: MORGAN, LEWIS & BOCKIUS LLP

Address Line 1: ONE MARKET, SPEAR STREET TOWER
Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

ATTORNEY DOCKET NUMBER:	116983-5036-US07-10
NAME OF SUBMITTER:	LAUREN C. SARRICO
SIGNATURE:	/Lauren C. Sarrico/
DATE SIGNED:	08/31/2022

Total Attachments: 6

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ASSIGNMENT

WHEREAS	. I.

Seth Wardell, a citizen of the United States of America,
with a post office address of 30204 USF HOLLY DRIVE TAMPA, FL 33620; and
James Bender, a citizen of United States of America,
with a post office address of;

hereinafter generally referred to collectively as "ASSIGNOR," has invented certain new and useful inventions entitled:

"PROCESSES FOR PRODUCTION OF TUMOR INFILTRATING LYMPHOCYTES AND USES OF SAME IN IMMUNOTHERAPY"

that is described in U.S. Patent Application No. 15/940,901 filed March 29, 2018; and that is described in International Patent Application No. PCT/US18/40474 filed June 29, 2018

hereinafter referred to as "Invention" naming the above ASSIGNOR as inventor.

WHEREAS, Iovance Biotherapeutics, Inc., a Delaware corporation, having a business address of 999 Skyway Road, Suite 150, San Carlos, California 94070, United States of America, hereinafter generally referred to as "ASSIGNEE," is desirous of acquiring and/or confirming the acquisition of the Invention.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged and intending to be legally bound hereby, I, ASSIGNOR, have assigned and/or hereby sell, assign, transfer and convey unto ASSIGNEE, the whole and entire right, title and interest in and to:

all Inventions;

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the above patent application[s] and any and all United States and foreign patent applications disclosing one or more of the Inventions including, without limitation, applications for patents including provisionals, non-provisionals, divisions, continuations, continuations-in-part, utility models, PCT applications and designs and any other related United States and foreign applications and equivalents thereof ("Applications"), along with the right to claim priority to the Applications under any treaty relating thereto;

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all United States and foreign patents, utility models, inventor's certificates and designs and all equivalents thereof which may be granted for the Inventions or Applications, and all post-grant actions including extensions, renewals, reissues, reexamination certificates, post-grant review certificates, inter partes review certificates, and supplemental examination certificates thereof ("Patents"): and

all rights to sue for and collect damages resulting from past, present and future infringement of all granted or to be granted Patents.

The Inventions, Applications and Patents to be held and enjoyed by ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms of said granted or to be granted Patents, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made; and for the aforesaid consideration ASSIGNOR hereby covenants, agrees and undertakes to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, declarations, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Inventions, Applications and Patents hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNOR.

It is agreed that ASSIGNOR shall be legally bound, upon request and at the expense of ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practicing of the Inventions, and to testify in any legal proceeding relating thereto.

ASSIGNOR hereby represents and warrants that he/she has full right, power and authority to assign their entire right, title, and interest in the Patents, Applications, and Inventions, and to consummate the assignment contemplated herein. ASSIGNOR also represents and warrants that he/she has full right, power, and authority to enter into, execute, and deliver this Assignment, the execution and delivery of which have been duly authorized by all necessary action on the part of ASSIGNOR, and no other authorization or proceedings on the part of ASSIGNOR are necessary to authorize this Assignment. This Assignment has been duly executed and delivered and constitutes a valid, binding and enforceable assignment of the entire right, title, and interest in the Patents and Applications, and Inventions.

ASSIGNOR hereby warrants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

(SIGNATURE PAGES FOLLOW)

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72 Jun 2019 (Date)	Seth Wardell	
Gors atisfactorily prowith the inventions of the inventions of the invention of the inventor of the inve	: ublic in and for the State and County aforesaid, on this \(\frac{1}{2} \) day of \(\frac{1}{2} \), personally appeared Seth Wardell, who being known to en), and who having first executed the foregoing Assignment in connectitled PROCESSES FOR PRODUCTION OF TUMOR (MPHOCYTES AND USES OF SAME IN IMMUNOTHERAPY) been by me first duly sworn, did acknowledge the foregoing instrum signed, sealed and delivered by him for the purpose therein stated and be bound thereby and intending that said instrument be recorded.	ection in ent as
Notary Public My Commission Exp	ires: Commonwealth of Pennsylvania - Notary Seal Cheryl M. Matticks, Notary Public Philadelphia County My commission expires September 29, 2022 Commission number 1104322	

Member, Pennsylvania Association of Notaries

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ASSIGNMENT

with a post office address of	

hereinafter generally referred to collectively as "ASSIGNOR," has invented certain new and useful inventions entitled:

92688-5507

"PROCESSES FOR PRODUCTION OF TUMOR INFILTRATING LYMPHOCYTES AND USES OF SAME IN IMMUNOTHERAPY"

Rancho Santa Margarita, CA

that is described in U.S. Patent Application No. 15/940,901 filed March 29, 2018; and that is described in International Patent Application No. PCT/US18/40474 filed June 29, 2018

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all Inventions;

WHEREAS, I,

with a post office address of

the above patent application[s] and any and all United States and foreign patent applications disclosing one or more of the Inventions including, without limitation, applications for patents including provisionals, non-provisionals, divisions, continuations, continuations-in-part, utility models, PCT applications and designs and any other related United States and foreign applications and equivalents thereof ("Applications"), along with the right to claim priority to the Applications under any treaty relating thereto;

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all United States and foreign patents, utility models, inventor's certificates and designs and all equivalents thereof which may be granted for the Inventions or Applications, and all post-grant actions including extensions, renewals, reissues, reexamination certificates, post-grant review certificates, inter partes review certificates, and supplemental examination certificates thereof ("Patents"); and

all rights to sue for and collect damages resulting from past, present and future infringement of all granted or to be granted Patents.

The Inventions, Applications and Patents to be held and enjoyed by ASSIGNEE, for ASSIGNEE's own use and benefit, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms of said granted or to be granted Patents, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made; and for the aforesaid consideration ASSIGNOR hereby covenants, agrees and undertakes to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, declarations, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Inventions, Applications and Patents hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNOR.

It is agreed that ASSIGNOR shall be legally bound, upon request and at the expense of ASSIGNEE or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practicing of the Inventions, and to testify in any legal proceeding relating thereto.

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(SIGNATURE PAGES FOLLOW)

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31 July 2020	Nan	s Ben	L_		
(Date)	Jan	nes Bender			
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STATE OF		:			
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COUNTY OF	4	•			
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Notary Public					
My Commission Ex	xpires:				

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RECORDED: 08/31/2022