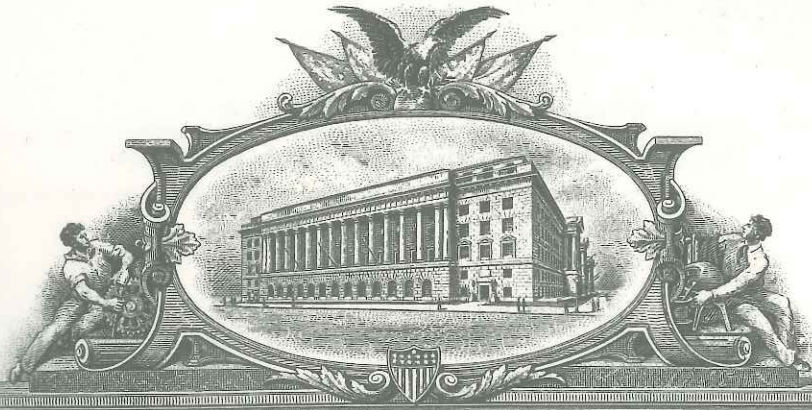


A 8097635



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

April 09, 2021

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
JULY 31, 2019.**

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**




R GLOVER
Certifying Officer

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5645415

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	TARA ARVEDSON	07/25/2019
	IRWIN CHEN	07/24/2019
	SANDRA ROSS	07/29/2019
	JULIE BAILIS	07/25/2019
RECEIVING PARTY DATA		
Name:	AMGEN INC.	
Street Address:	LAW DEPARTMENT - PATENT OPERATIONS	
Internal Address:	ONE AMGEN CENTER DRIVE	
City:	THOUSAND OAKS	
State/Country:	CALIFORNIA	
Postal Code:	91320-1799	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	62714366
CORRESPONDENCE DATA		
Fax Number:	(312)474-0448	
<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:	312-474-6300	
Email:	docket@marshallip.com, nabila@marshallip.com	
Correspondent Name:	MARSHALL, GERSTEIN & BORUN LLP	
Address Line 1:	233 SOUTH WACKER DRIVE	
Address Line 2:	6300 WILLIS TOWER	
Address Line 4:	CHICAGO, ILLINOIS 60606	
ATTORNEY DOCKET NUMBER:	32243/53378	
NAME OF SUBMITTER:	LYNN L. JANULIS	
SIGNATURE:	/Lynn L. Janulis/	
DATE SIGNED:	07/31/2019	
Total Attachments: 6		

source=53378 Executed Assignment - Amgen Inc#page1.tif
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source=53378 Executed Assignment - Amgen Inc#page6.tif

ASSIGNMENT

Whereas, I/we,

Tara ARVEDSON, c/o Amgen Inc. Law Department - Patent Operations, One Amgen Center Drive, Thousand Oaks, California 91320, USA

Irwin CHEN, c/o Amgen Inc. Law Department - Patent Operations, One Amgen Center Drive, Thousand Oaks, California 91320, USA

Sandra ROSS, c/o Amgen Inc. Law Department - Patent Operations, One Amgen Center Drive, Thousand Oaks, California 91320, USA

Julie Bailis, c/o Amgen Inc. Law Department - Patent Operations, One Amgen Center Drive, Thousand Oaks, California 91320, USA

(hereinafter referred to as ASSIGNOR), have made an invention which is the subject of an application for Letters Patent of the United States; and/or is the subject of a provisional application; and/or is the subject of an international application; and/or is the subject of other patent application(s) in other jurisdictions worldwide ("Application") entitled

which is found in:

☒ US Application Serial No.62/714,366 filed August 3, 2018.

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California 91320-1799 wishes to acquire the entire right, title, and interest in all inventions disclosed in such Application;

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

Further, ASSIGNOR hereby sells, assigns, transfers, and sets over unto ASSIGNEE ASSIGNOR'S entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by ASSIGNOR or at ASSIGNOR'S direction or deposited on ASSIGNOR'S behalf by ASSIGNEE, its affiliates, employees, or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, ASSIGNOR'S unreserved and irrevocable consent and authorization to ASSIGNEE to refer to the deposited microorganism(s) or other biological

material(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any foreign Patent Office authority to issue any such Letters Patent which may be granted on the Application to ASSIGNEE as assignee of the entire right, title and interest therein and thereto.

For ASSIGNOR and for ASSIGNOR'S legal representatives, ASSIGNOR covenants and agrees with ASSIGNEE that ASSIGNOR has not granted to any others any license to make, use or sell any of such inventions, that ASSIGNOR'S right, title and interest in such inventions has not been encumbered, that ASSIGNOR has good right and title to sell and assign the same, and that ASSIGNOR will not execute any instrument in conflict herewith.

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

DECLARATION OF ACCEPTANCE

On behalf of Assignee,

Stuart L. Watt

Name

Vice President, Law and Intellectual Property
Officer

Title

hereby confirms Assignee's acceptance:

7/29/2019
Date

Stuart L. Watt
Signature

Docket No. A-2779-US-PSP
MG Reference No: 32243/53378

In Witness Whereof I have executed this assignment on July 25 2019
(Month, Day) (Year)

Tara ARVEDSON
(Name of Inventor)

Tara
(Signature of Inventor)

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

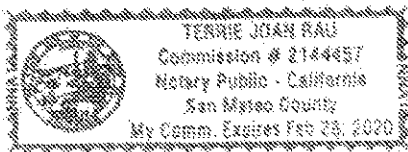
On July 25, 2019 before me, Terrie Joan Rau
Notary Public, personally appeared

Tara ARVEDSON

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.



Place Notary Seal Above

Signature:

Terrie Joan Rau

Docket No.: A-2279-US-PSP
MG Reference No: 32243/53378

In Witness Whereof I have executed this assignment on July 24 2019
(Month, Day) (Year)

Irwin CHEN
(Name of Inventor)

[Signature]
(Signature of Inventor)

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 Ventura }

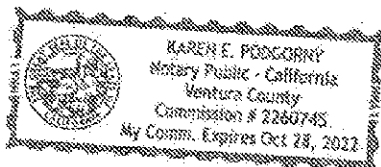
On July 24, 2019 before me Karen E. Podgorny
Notary Public, personally appeared

Irwin CHEN

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.



Place Notary Seal Above

Signature: Karen E. Podgorny

In Witness Whereof I have executed this assignment on 7/29 2019
(Month, Day) (Year)

Sandra ROSS
(Name of Inventor)

Sandra Ross
(Signature of Inventor)

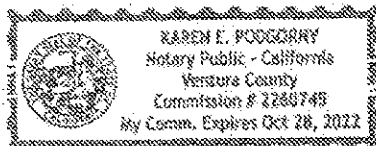
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Ventura }

On July 29, 2019 before me, Karen E. Podgorny
Notary Public, personally appeared

Sandra ROSS



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.

Place Notary Seal Above

Signature: Karen E. Podgorny

Docket No.: A-2279-US-PSP
MG Reference No: 32243/53378

In Witness Whereof I have executed this assignment on July 25 2019
(Month, Day) (Year)

Julie BAILIS
(Name of Inventor)

Julie M. Bailis
(Signature of Inventor)

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 }

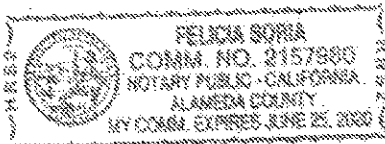
On July 25, 2019 before me, Felicia Soria
Notary Public, personally appeared

Julie BAILIS

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.



Please Destroy Seal After Use

Signature: *Felicia Soria*