506427784 12/30/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEREMY J. CLEMENS	07/15/2019
SARA SABINA HADIDA RUAH	07/15/2019

RECEIVING PARTY DATA

Name:	VERTEX PHARMACEUTICALS (SAN DIEGO) LLC
Street Address:	3215 MERRYFIELD ROW
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15733738

CORRESPONDENCE DATA

Fax Number: (617)646-1666

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.

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Email: regional-desk@finnegan.com **Correspondent Name:** ANTOINETTE E. NIBBS

FINNEGAN Address Line 1:

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ATTORNEY DOCKET NUMBER:	10275.0139-00000
NAME OF SUBMITTER:	ANTOINETTE E. NIBBS
SIGNATURE:	/Antoinette E. Nibbs/
DATE SIGNED:	12/30/2020

Total Attachments: 4

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PATENT REEL: 054779 FRAME: 0497 506427784

ASSIGNMENT

WHEREAS I/We, the below-named inventor(s) (hereinafter referred to as Assignor(s)), of an invention entitled:

MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR

as disclosed and claimed in the applications identified below this paragraph:

Application Number	Country of Filing	Filing Date
62/657,513	US	April 13, 2018
PCT/US2019/027202	PCT	April 12, 2019

by virtue of our agreements with Vertex Pharmaceuticals (San Diego) LLC, a corporation of Delaware whose post office address is 3215 Merryfield Row, San Diego, California 92121, USA (hereinafter referred to as Assignee), confirm assignment and hereby assign to assignee the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including any PCT International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignors, confirm that all rights in the inventions and applications listed above automatically transferred to Assignee by virtue of my/our agreements. For the avoidance of doubt, Assignors hereby confirm having sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and/or claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request that any official of any country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE covenant that have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

Page 1 of 4

PATENT REEL: 054779 FRAME: 0498 Jeremy J. Clemens

Date: 7/15/2019

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 6 cm Digg O		
On JUly 15, 2019 before me, NICOla E (insert name a	nd title of the officer)	tary Public
personally appeared <u>Jermy J. Clemens</u> on the basis of satisfactory evidence to be the person(s) whose acknowledged to me that he/she/they executed the same in his/signature(s) on the instrument the person(s), or the entity upon be instrument.	name (s) is/ are subscribed to h er/their authorized capacity	/(ies), and that by his/h er/the
I certify under PENALTY OF PERJURY under the laws of the St correct.	ate of California that the fore	∍going paragraph is true and
WITNESS my hand and official seal.		
Signature Whilewax	(Seal)	NICOLA SALAMONE Commission # 2142790 Notary Public - California San Diego County Comm. Expires Feb 15, 2020

SOLE/JOINT INVENTION (Worldwide Rights) Attorney Docket No. VPI/18-110 US PRV1 and WO

reedide

Sara Sabina Hadida Ruah

Date: 7/15/2019

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.

ne Notaly Public e officer)
who proved to me subscribed to the within instrument and chorized capacity(ies), and that by his/her/the ich the person(s) acted, executed the
ornia that the foregoing paragraph is true and
NICOLA SALAMONE Commission # 2142790 Notary Public - California San Diego County My Comm. Expires Feb 15, 2020

ACKNOWLEDGEMENT OF ASSIGNEE

Name: Kerry	/	
Nama Karr	/ ∧ □	mn
INCUITE. INCUIN	, A. F.	VIIII

Title: VP, IP and Chief IP Counsel

On behalf of Vertex Pharmaceuticals (San Diego) LLC

Date

Commonwealth of Massachusetts

County of Suffolk
On this ______ day of _ <u>humst</u>, 2019, before me, the undersigned notary public, personally appeared Kerry A.

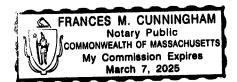
Flynn (name of document signer), proved to me through satisfactory evidence of identification, which was/were

personal knowledge of identity, □ a driver's license, □ other (please identify) whose name is signed on this document, and who swore or affirmed to me that the contents of the document are truthful

and accurate to the best of his/hepknowledge and belief.

Notary Public

My Commission Expires



PATENT REEL: 054779 FRAME: 0501

RECORDED: 12/30/2020