

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6547211

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	BENJAMIN J. LITTLER	12/04/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	VERTEX PHARMACEUTICALS INCORPORATED	
<b>Street Address:</b>	50 NORTHERN AVENUE	
<b>City:</b>	BOSTON	
<b>State/Country:</b>	MASSACHUSETTS	
<b>Postal Code:</b>	02210	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16769047
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(617)646-1666	
<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>		
<b>Phone:</b>	6176461600	
<b>Email:</b>	karen.young@finnegan.com	
<b>Correspondent Name:</b>	ANTOINETTE E. NIBBS	
<b>Address Line 1:</b>	FINNEGAN	
<b>Address Line 2:</b>	901 NEW YORK AVENUE NW	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20001	
<b>ATTORNEY DOCKET NUMBER:</b>	10275.0133-00000	
<b>NAME OF SUBMITTER:</b>	ANTOINETTE E. NIBBS	
<b>SIGNATURE:</b>	/Antoinette E. Nibbs/	
<b>DATE SIGNED:</b>	02/11/2021	
<b>Total Attachments: 3</b>		
source=C. 62623725 Inventor Littler to VPI#page1.tif		
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## ASSIGNMENT

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

### **METHODS OF MAKING CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR MODULATORS**

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

Application Number	Country of Filing	Filing Date
62/623,725	U.S.	January 30, 2018

by virtue of our agreements with Vertex Pharmaceuticals Incorporated, a corporation of Massachusetts whose post office address is 50 Northern Avenue, Boston, MA 02210 (hereinafter referred to as Assignee), is desirous of securing 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 Assignor(s), have 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 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 I/We have the full right to convey the interest assigned by this Assignment, and I/We 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.

AND, I/WE authorize and request a patent practitioner of record in this application, to insert the filing date, country of filing, and application number of the above-referenced application(s) when known.

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

Benjamin J. Littler

Benjamin J. Littler

Date: 04 DEC 2018

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 Diego

On December 4, 2018 before me, Nicola Salamone Notary Public  
(insert name and title of the officer)

personally appeared Benjamin J. Littler, 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 Nicola Salamone (Seal)



ACKNOWLEDGEMENT OF ASSIGNEE

Kerry A. Flynn

Name: Kerry A. Flynn

Title: VP, IP and Chief IP Counsel

On behalf of Vertex Pharmaceuticals Incorporated

December 6, 2018

Date

Commonwealth of Massachusetts

County of Suffolk

On this 6<sup>th</sup> day of December, 2018, 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) \_\_\_\_\_, to be the person 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/her knowledge and belief.

Frances M. Cunningham

Notary Public

My Commission Expires March 7, 2025

