#### 505831554 12/20/2019

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5878487

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name                                   | Execution Date |
|--|----------------|
| VERTEX PHARMACEUTICALS (SAN DIEGO) LLC | 12/02/2015     |

## **RECEIVING PARTY DATA**

| Name:           | VERTEX PHARMACEUTICALS INCORPORATED |
|-----------------|-------------------------------------|
| Street Address: | 50 NORTHERN AVENUE                  |
| City:           | BOSTON                              |
| State/Country:  | MASSACHUSETTS                       |
| Postal Code:    | 02210                               |

#### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 16258024 |

#### **CORRESPONDENCE DATA**

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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| ATTORNEY DOCKET NUMBER: | 10275.0079-02000 |
|-------------------------|------------------|
| NAME OF SUBMITTER:      | ERIC J. LEE      |
| SIGNATURE:              | /Eric J. Lee/    |
| DATE SIGNED:            | 12/20/2019       |

## **Total Attachments: 3**

source=0079-02 Executed Assignment Vertex San Diego to Vertex Pharmaceuticals Incorporated#page1.tif source=0079-02 Executed Assignment Vertex San Diego to Vertex Pharmaceuticals Incorporated#page2.tif source=0079-02 Executed Assignment Vertex San Diego to Vertex Pharmaceuticals Incorporated#page3.tif

**PATENT** REEL: 051339 FRAME: 0800 505831554

#### ASSIGNMENT

We, Vertex Pharmaceuticals (San Diego) LLC, a company organized and existing under the laws of the State of Delaware and having an office and a place of business at 11010 Torreyana Road, San Diego, CA 92121, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, and do hereby assign, sell and transfer to, Vertex Pharmaceuticals Incorporated, a corporation organized and existing under the laws of the Commonwealth of Massachusetts and having an office and a place of business at 50 Northern Ave., Boston, MA 02210, its successors and assigns, all hereinafter referred to as the ASSIGNEE:

- (1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all of my/our inventions, and discoveries disclosed in:
- (a) the application for United States Letters Patent entitled: MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, and filed in the United States Patent and Trademark Office on October 6, 2015, under Application Number 14/876,525, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or
- (b) the International Patent Application entitled: MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR, filed under the Patent Cooperation Treaty in the United States Receiving Office on October 6, 2015, under Application No. PCT/US2015/54316, and designating all countries, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;
- (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the election of the ASSIGNEE or its designee, on the aforesaid inventions, discoveries and applications in the United States and in any other country of the world;
- (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any other country of the world, and in and to any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof; and
- (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in

and to the above inventions, discoveries and applications including, but not limited to, the following priority application(s):

| 62/060,182      | United States of America | 10/06/2014  |
|-----------------|--------------------------|-------------|
| Application No. | Country                  | Filing Date |
| 62/114,767      | United States of America | 02/11/2015  |
| Application No. | Country                  | Filing Date |
| 62/153,120      | United States of America | 04/27/2015  |
| Application No. | Country                  | Filing Date |

and all rights of priority in any country of the world deriving from the above-identified International Patent Application.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries or applications, and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

| By: <u>Nexas (2)</u>   |  |
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| Kerry A, Flyno / // ``   |  |
| Vice President and Chief IP Counsel  |  |
| on behalf of Vertex Pharmaceuticals (San Diego) LLC  |  |
| Date: [] Tare of the Rest of the Control of the Rest o |  |
| Commonwealth of Massachusetts  |  |
| County of Suffolk  |  |
| On this  | ed to me through<br>nowledge of identity, [] a<br>be the person whose name |
| TALLALA M. D. Vinden Zo<br>Notary Public   |  |
| My Commission Expires: December 17, 3015   |  |
| LAUPER IN DISVINCENZO Hourry Public COMMONIEALTH OF MASSICHUSETTS My Commission Expires December 17, 2015  | *  |