

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4809560

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL JOHN BOYD	07/22/2016
MICHAEL WALDO	04/12/2016
KWAME W. NTI-ADDAE	05/19/2016
YUEGANG ZHANG	05/24/2016
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:	15807984
CORRESPONDENCE DATA	
Fax Number:	(269)337-7861
<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:	(269) 337-7838
Email:	patent@honigman.com
Correspondent Name:	ANDREW N. WEBER
Address Line 1:	350 EAST MICHIGAN AVENUE
Address Line 2:	SUITE 300
Address Line 4:	KALAMAZOO, MICHIGAN 49007-3800
ATTORNEY DOCKET NUMBER:	223306/14-117USWC1/420588
NAME OF SUBMITTER:	ANDREW N. WEBER
SIGNATURE:	/Andrew N. Weber/
DATE SIGNED:	02/05/2018
Total Attachments: 16	
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page1.tif	
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page2.tif	

source=VPI_14-117_USW_CN1_Executed_Assignment_1#page3.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page4.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page5.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page6.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page7.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page8.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page9.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page10.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page11.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page12.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page13.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page14.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page15.tif
source=VPI_14-117_USW_CN1_Executed_Assignment_1#page16.tif

ASSIGNMENT

We,

- (1) Michael John Boyd, of Winchester, Massachusetts;
- (2) Michael Waldo, of Grafton, Massachusetts;
- (3) Kwame W. Nti-Addae, of Wilmington, Massachusetts; and
- (4) Yuegang Zhang, of Wayland, Massachusetts;

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, by virtue of our agreement with Vertex Pharmaceuticals Incorporated 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 Avenue, Boston, Massachusetts 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: **INHIBITORS OF INFLUENZA VIRUSES REPLICATION**, and filed in the United States Patent and Trademark Office on _____, under Application Number _____¹, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or

(b) the International Patent Application entitled: **INHIBITORS OF INFLUENZA VIRUSES REPLICATION**, filed under the Patent Cooperation Treaty in the United States Receiving Office on *May 11, 2016*, under Application No. *PCT/US2016/031713*², and designating all countries, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;

¹ We authorize and request ASSIGNEE to insert the filing date and/or application number of said application when known.

² I/We authorize and request ASSIGNEE to insert the filing date and/or application number of said application when known.

(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):

62/160,637	US	May 13, 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.

Michael Boyd

(1) Michael John Boyd

Date: July 22, 2016

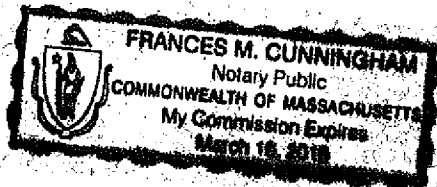
Commonwealth of Massachusetts
County of Suffolk

On this 22nd day of July, 2016, before me, the undersigned notary public, personally appeared Michael John Boyd, 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.

Francis M. Cunningham

Notary Public

My Commission Expires: 3/16/2018



Michael Waldo

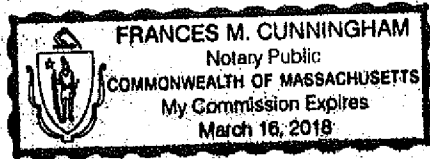
(2) Michael Waldo

Date: APRIL 12, 2016

Commonwealth of Massachusetts
County of Suffolk

On this 12th day of April, 2016, before me, the undersigned notary public, personally appeared Michael Waldo, 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: 3/16/2018





(3) Kwame W. Nti-Addae

Date: 19th May 2016

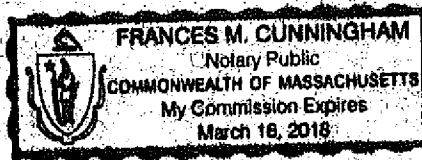
Commonwealth of Massachusetts
County of Suffolk

On this 19th day of May, 2016, before me, the undersigned notary public, personally appeared Kwame W. Nti-Addae, 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.



Notary Public

My Commission Expires: 3/16/2018



(4) Yuegang Zhang

Date: _____

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: (1) _____

Printed Name of Witness: _____

this _____ day of _____
Date of signing

Signature of witness: (2) _____

Printed Name of Witness: _____

this _____ day of _____
Date of signing

ACKNOWLEDGMENT OF ASSIGNEE

By: _____
Kerry A. Flynn
Vice President and Chief IP Counsel
on behalf of Vertex Pharmaceuticals Incorporated

Date: _____

Commonwealth of Massachusetts
County of Suffolk

On this _____ day of _____, 20 ____, 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.

Notary Public
My Commission Expires: _____

ASSIGNMENT

We,

- (1) Michael John Boyd, of Winchester, Massachusetts;
- (2) Michael Waldo, of Grafton, Massachusetts;
- (3) Kwame W. Nti-Addae, of Wilmington, Massachusetts; and
- (4) Yuegang Zhang, of Wayland, Massachusetts;

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, by virtue of our agreement with Vertex Pharmaceuticals Incorporated 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 Avenue, Boston, Massachusetts 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: **INHIBITORS OF INFLUENZA VIRUSES REPLICATION**, and filed in the United States Patent and Trademark Office on _____, under Application Number _____¹, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or

(b) the International Patent Application entitled: **INHIBITORS OF INFLUENZA VIRUSES REPLICATION**, filed under the Patent Cooperation Treaty in the United States Receiving Office on *May 11, 2016*, under Application No. *PCT/US2016/031713*², and designating all countries, including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications therefor;

¹ We authorize and request ASSIGNEE to insert the filing date and/or application number of said application when known.

² I/We authorize and request ASSIGNEE to insert the filing date and/or application number of said application when known.

(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):

62/160,637	US	May 13, 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.

(1) Michael John Boyd

Date: _____

Commonwealth of Massachusetts
County of Suffolk

On this _____ day of _____, 20____, before me, the undersigned notary public, personally appeared Michael John Boyd, 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.

Notary Public
My Commission Expires: _____

(2) Michael Waldo

Date: _____

Commonwealth of Massachusetts
County of Suffolk

On this _____ day of _____, 20 __, before me, the undersigned notary public, personally appeared Michael Waldo, 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.

Notary Public
My Commission Expires: _____

(3) Kwame W. Nti-Addae

Date: _____

Commonwealth of Massachusetts
County of Suffolk

On this _____ day of _____, 20 ____, before me, the undersigned notary public, personally appeared Kwame W. Nti-Addae, 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.

Notary Public
My Commission Expires: _____

Yuegang Zhang

(4) Yuegang Zhang

Date: May 24, 2016

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: (1) [Signature]

Printed Name of Witness: YINGYUAN ZHANG

this 24 day of MAY, 2016
Date of signing

Signature of witness: (2) [Signature]

Printed Name of Witness: FANG WANG

this 24 day of MAY, 2016
Date of signing

ACKNOWLEDGMENT OF ASSIGNEE

By: *Kerry A. Flynn*
Kerry A. Flynn
Vice President and Chief IP Counsel
on behalf of Vertex Pharmaceuticals Incorporated

Date: March 10, 2017

Commonwealth of Massachusetts
County of Suffolk

On this 10th day of March, 2017, 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: 3/16/2018

