PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT6237960

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARINUS JACOBUS VERWIJS	06/27/2011
ROSSITZA GUEORGUIEVA ALARGOVA	06/27/2011
RITU ROHIT KAUSHIK	06/09/2011
IRINA NIKOLAEVNA KADIYALA	06/13/2011
CHRISTOPHER YOUNG	06/10/2011

RECEIVING PARTY DATA

Name:	VERTEX PHARMACEUTICALS INCORPORATED
Street Address:	130 WAVERLY STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16530240

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	10275.0024-05000
NAME OF SUBMITTER:	MICHAEL R. HINRICHSEN
SIGNATURE:	/Michael R. Hinrichsen/
DATE SIGNED:	08/06/2020

Total Attachments: 9

PATENT REEL: 053420 FRAME: 0037

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PATENT REEL: 053420 FRAME: 0038

Attorney Docket No.: VPI/10-107 US

ASSIGNMENT

We,

- (1) Marinus Jacobus Verwijs, of Framingham, MA;
- (2) Rossitza Gueorguieva Alargova, of Brighton, MA;
- (3) Ritu Rohit Kaushik, of Watertown, MA;
- (4) Irina Nikolaevna Kadiyala, of Newton, MA; and
- (5) Christopher Young, of Waltham, MA,

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 130 Waverly Street, Cambridge, MA 02139, 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:

 PHARMACEUTICAL COMPOSITIONS OF 3-(6-(1-(2,2-DIFLUOROBENZO[D][1,3]DIOXOL-5-YL) CYCLOPROPANECARBOXAMIDO)-3-METHYLPYRIDIN-2-YL)BENZOIC ACID AND ADMINISTRATION THEREOF, and filed in the United States Patent and Trademark Office on April 7, 2011, under Application Number 13/081,750¹, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or

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

- (b) the International Patent Application entitled: , filed under the Patent Cooperation Treaty in the United States Receiving Office on , of ;
- , under Application No.

 2, 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):

Application No.	Country	Filing Date
61/366,562	US	July 22, 2010
61/321,748	US	April 7, 2010

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

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

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.

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Commonwealth of Massachusetts County of Middle Sex	
On this <u>37+h</u> day of <u>June</u> , 2011, before personally appeared realists, proved to me the identification which was/were: personal knowl other (please identify), to be this document, and who swore or affirmed to me to truthful and accurate to the best of his/her knowle	edge of identity, \(\sum_{\text{a}}\) a driver's license, the person whose name is signed on that the contents of the document are
Notary Public My Commission Expires: December 1	T 3015 LAUREN M DeVINCENZO Notary Public COMMONWEALTH OF MASSACHUSETTS
	My Commission Expires December 17, 2015

Date: _

Marinus Jacobus Verwijs

Rossitza Gueorguieva Atargova	
(2) plase	
Date: 06/27/20/1	
Commonwealth of Massachusetts	
County of Middlesex	
On this Other day of Line, 2011, before me, the undersigned notary public, personally appeared providence 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: 17 2015 LAUREN M Devin Notary Public Commonwealth of mass	en lugaria.
My Commission Ex December 17, 20	Y'Diroo

	u Rohit Kaushik
(3)	Ritu Kauchet e: 9 June 2011
Dat	: 9 June 2011
Commonwealth of Massachusetts	
County of Andle sex	
On this 9 day of \(\) day of \(\) personally appeared , proved to me the identification which was/were: \(\) personal know \(\) other (please identify), to be	redge of identity, a driver's license,
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.	
Motary Public	
My Commission Expires: March 25. 2016	
JOHN W. NORTON Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires March 25, 2016	

Irina Niko	laevna Kadiyala	
(4)		

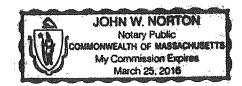
Date: June 13 h. 11

Commonwealth of Massachusetts County of UCUSEX	
	, before me, the undersigned notary public,
personally appeared , 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
	to me that the contents of the document are
truthful and accurate to the best of his/her I	
Notary Public My Commission Expires: 3/16/2018.	FRANCES M. CUNNINGHAM Notary Public COMMONWEALTH OF MASSACHUSETTS

Christopher Young

(5) Date: 10 Jan 2011

Commonwealth of Massachusetts County of
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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: March 25, 2016
My Commission Express.



ACKNOWLEDGMENT OF ASSIGNEE	
By: Kenneth Boger Senior Vice President and Chief Legal Officer VERTEX PHARMACEUTICALS INCORPORAT	ED
Date: 30 Jun /1	
Commonwealth of Massachusetts County of Middlesex	
On this 36 day of 14 , 2011, before me, personally appeared Kenneth Boger (name of documen satisfactory evidence of identification which was/were: identity, \(\) a driver's license, \(\) other (please identify) person whose name is signed on this document, and whethe contents of the document are truthful and accurate the and belief.	t signer), proved to me through personal knowledge of the personal kno
Notary Public My Commission Expires: NOV- 11, JOLD	CAROLYN ANDERSON Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires November 11, 2016