#### 07/11/2017 504451074

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4497775

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
KADIYALA IRINA NIKOLAEVNA	08/27/2013
ROSSITZA GUEORGUIEVA ALARGOVA	08/29/2013
CRAIG ANTONY DUNBAR	09/16/2013

# **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:	15342999

# CORRESPONDENCE DATA

Fax Number: (202)408-4400

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.

Phone: 2024084000

Email: bonny.rogers@finnegan.com

FINNEGAN, HENDERSON, FARABOW **Correspondent Name:** 

Address Line 1: 901 NEW YORK AVENUE NW Address Line 4: WASHINGTON, D.C. 20001

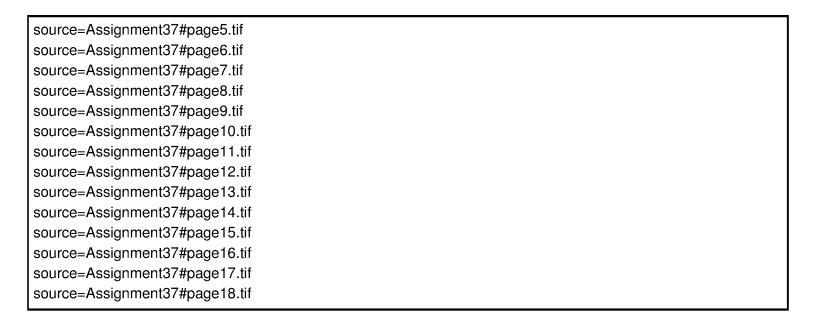
ATTORNEY DOCKET NUMBER:	10275.0037-02000
NAME OF SUBMITTER:	CHRISTINA M. RODRIGO
SIGNATURE:	/Christina M. Rodrigo/
DATE SIGNED:	07/10/2017

**Total Attachments: 18** 

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> **PATENT REEL: 042970 FRAME: 0716**

504451074



### ASSIGNMENT

We,

- (1) Rossitza Gueorguieva Alargova, of Brighton, Massachusetts;
- (2) Craig Antony Dunbar, of Needham, Massachusetts; and
- (3) Kadiyala Irina Nikolaevna, of Newton, 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 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 (R)-1-(2,2-DIFLURORBENZO[D][1,3]DIOXOL-5-YL)-N-(1-(2,3-DIHYDROXYPROPYL)-6-FLUORO-2-(1-HYDROXY-2-METHYLPROPAN-2-YL)-1H-INDOL-5-YL) CYCLOPROPANECARBOXAMIDE AND ADMINISTRATION THEREOF, and filed in the United States Patent and Trademark Office on July 15, 2013, under Application Number 13/942,617, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or
- (b) the International Patent Application entitled: PHARMACEUTICAL COMPOSITIONS OF (R)-1-(2,2-DIFLURORBENZO[D][1,3]DIOXOL-5-YL)-N-(1-(2,3-DIHYDROXYPROPYL)-6-FLUORO-2-(1-HYDROXY-2-METHYLPROPAN-2-YL)-1H-INDOL-5-YL) CYCLOPROPANECARBOXAMIDE AND ADMINISTRATION THEREOF, filed under the Patent Cooperation Treaty in the United States Receiving Office on July 15, 2013, under Application No. PCT/US2013/50557, 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 our names at the election of the ASSIGNEE or its designee, on the aforesaid

  Page 1 of 6

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
61/671,932	United States of America	July 16, 2012
61/882,781	United States of America	May 13, 2013

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) Rossitza Gueorguieva Alargova
	Date:
WITNESS WHEREOF, I have he	ereunto set hand and seal
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rinted Name of Witnes	s:
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is day of Date of signin	 g
N WITNESS WHEREOF, I have he	ereunto set hand and seal
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Printed Name of Witnes	ss:
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Date of signin	g

	(2) Craig Antony Dunbar
	Date:
IN WITNESS WHEREOF, I have he	ereunto set hand and seal
Signature of witness:	
Printed Name of Witnes	S:
this day of Date of signing	
Date of signing	J
IN WITNESS WHEREOF, I have he	overnte get hand and goal
IN WITNESS WHEREOF, I have he	reunto set hand and sear
Signature of witness:	· · ·
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Printed Name of Witnes	
this day of Date of signing	·
Date of signing	j <del>-</del>

(3) Kadiyala Irina Nikolaevna
Date: 2+ /3.

Commonwealth of Massachusetts County of Middlesex

On this Architecture, 2013, before me, the undersignous appeared Kadiyala Irina Nikolaevna, proved to me through satisfactor	ed notary public, personally
appeared Kadiyala Irina Nikolaevna, proved to me through satisfactor	ry evidence of identification
which was/were: ☐ personal knowledge of identity, ☐ a driver's lice	nse, 🗌 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: 5/4/8.



# ACKNOWLEDGMENT OF ASSIGNEE

Stephen I. Neshitt

Vice President and Chief IP Counsel

VERTEX PHARMACEUTICALS INCORPORATED

Date: 8 27 3

Commonwealth of Massachusetts County of Middlesex

On this tay of hock, 2013, before me, the undersigned notary public, personally appeared Stephen L. Nesbitt (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: 5/4/8

SUSAN BATTY-GUNN
Notary Public
Notary Public
COMMONWEALTH OF MASSACHUSETTS
My Commission Expires
May 4, 2018

Doc ID: 689718

# ASSIGNMENT

We.

- (1) Rossitza Gueorguieva Alargova, of Brighton, Massachusetts;
- (2) Craig Antony Dunbar, of Needham, Massachusetts; and
- (3) Kadiyala Irina Nikolaevna, of Newton, 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 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:

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  Page 1 of 6

inventions, discoveries and applications in the United States and in any other country of the world;

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61/882,781	United States of America	May 13, 2013
61/671,932	United States of America	July 16, 2012
Application No.	Country	Filing Date

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	(1) Rossitza Gueorguieva Alargova
	Date: <u> </u>
IN WITNESS WHEREOF, I have hereunto	o set hand and seal
Signature of witness:	Nim
Printed Name of Witness:	BEATA SUERYON-KRANIEC
this <u>29</u> day of <u>2013 AUGUS</u> Date of signing	I.
IN WITNESS WHEREOF, I have hereunto	o set hand and seal
Signature of witness:	·
Printed Name of Witness:	Dimitar ALARGOU
this <u>29</u> day of <i>OS 201</i> 3  Date of signing	unt

	(2) Craig Antony Dunbar
	Date:
IN WITNESS WHEREOF, I have hereunto	set hand and seal
Signature of witness:	
Digitalia or Williams.	
Printed Name of Witness:	
this day of	
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IN WITNESS WHEREOF, I have hereunto	set hand and seal
Signature of witness:	
Printed Name of Witness:	
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thisday of	<b>?</b>

	(3) Kadiyala Irina Nikolaevna
	Date:
Commonwealth of Massachusetts County of Middlesex	
appeared Kadiyala Irina Nikolaevna, p which was/were:  personal knowled identify), to be the p	2013, before me, the undersigned notary public, personally roved to me through satisfactory evidence of identification ge of identity,   a driver's license,   other (please erson whose name is signed on this document, and who not softhe document are truthful and accurate to the best of
Notary Public	
My Commission Expires:	

# ACKNOWLEDGMENT OF ASSIGNEE

By:
Stephen L. Nesbitt
Vice President and Chief IP Counsel
VERTEX PHARMACEUTICALS INCORPORATED
Date:
Commonwealth of Massachusetts
County of Middlesex
On thisday of, 2013, before me, the undersigned notary public, personally appeared Stephen L. Nesbitt (name of document signer), proved to me through satisfactory evidence of identification which was/were: \Boxed personal knowledge of identity, \Boxed 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: .

Doc ID: 689718

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	(1) Rossitza Gueorguieva Alargova
	Date:
IN WITNESS WHEREOF, I have hereur	nto set hand and seal
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Printed Name of Witness: _	
this day of  Date of signing	
Date of signing	
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	<u> </u>
	(2) Craig Antony Dunbar
	Date: <u>/&amp; Sep/3</u>
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IN WITNESS WHEREOF, I have hereunto s	et hand and seal
Signature of witness:	<u>Commente</u>
Printed Name of Witness:	
this $\frac{\frac{1}{2} \frac{1}{2} \frac{1}{2}}{1}$ day of $\frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2}$ .	
Date of signing	
IN WITNESS WHEREOF, I have hereunto so	et hand and seal
Signature of witness:	
Printed Name of Witness:	soumo ca
this 16 day of Sylv 2013.  Date of signing	
Date of signing	

	(3) Kadiyala Irina Nikolaevna
	Date:
en tot make a	
Commonwealth of Massachusetts	
County of Middlesex	
appeared Kadiyala Irina Nikolaevna, prove which was/were:   personal knowledge o identify), to be the perso	B, before me, the undersigned notary public, personally sed to me through satisfactory evidence of identification of identity,  a driver's license,  on whose name is signed on this document, and who of the document are truthful and accurate to the best of
Notary Public	
My Commission Expires:	

ACKNOWLEDGMENT OF ASSIGNEE
By: Stephen L. Nesbitt Vice President and Chief IP Counsel
VERTEX PHARMACEUTICALS INCORPORATED  Date:
Commonwealth of Massachusetts County of Middlesex
On this day of, 2013, before me, the undersigned notary public, personally appeared Stephen L. Nesbitt (name of document signer), proved to me through satisfactory evidence of identification which was/were: \[ \subseteq \text{ personal knowledge of identity, } \subseteq a driver's license, \[ \subseteq \text{ other (please identify) } \], 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:

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Page 6 of 6