PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PART	Y DATA					
			Name	Execution Date		
DAVID SIESEL				10/05/2009		
RECEIVING PARTY	DATA					
Name:	VERTEX PHA	VERTEX PHARMACEUTICALS INCORPORATED				
Street Address:	130 WAVERL	130 WAVERLY STREET				
City:	CAMBRIDGE	CAMBRIDGE				
State/Country:		MASSACHUSETTS				
Postal Code:	02139	02139				
Property Type Application Number: 139		13913	876			
		0044 6	400			
Fax Number: (617)341-6483 Phone: 617-341-6100						
Email: Carolyn_Anderson@vrtx.com						
-			the email attempt is unsuccessful.			
Correspondent Nam Address Line 1:			HARMACEUTICALS INCORPORATED			
Address Line 4:			GE, MASSACHUSETTS 02139			
ATTORNEY DOCKET NUMBER:		VPI/07-151 US CP1 CN2				
NAME OF SUBMITTER:		CAROLYN ANDERSON				
Signature:		/Carolyn Anderson/				
Date:		11/19/2013				
Total Attachments: 4 source=07-151CP1C source=07-151CP1C source=07-151CP1C source=07-151CP1C	CN2-Assignment#pa CN2-Assignment#pa CN2-Assignment#pa	ige2.tif ige3.tif				

Attorney Docket No.: VPI/07-151 US CP1

ASSIGNMENT

I,

(1) David Siesel, of San Diego, California;

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 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: PROCESSES FOR PRODUCING CYCLOALKYLCARBOXAMIDO-PYRIDINE BENZOIC ACIDS, and filed in the United States Patent and Trademark Office on December 4, 2008, under Application Number 12/474,590, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or

(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):

61/012,181	United States of America	December 7, 2007 Filing Date	
Application No.	Country		
61/109, 57 3	United States of America	October 30, 2008	
Application No.	Country	Filing Date	
12/327,915	United States of America	December 4, 2008	
Application No.	Country	Filing Date	

and all rights of priority in any country of the world deriving from the aboveidentified 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

PATENT REEL: 031628 FRAME: 0828

further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

Rive Sure

(1) David Siesel

State of California

County of Son Diego ss

Subscribed and sworn to (or affirmed) before me this (date) $5^{\frac{H}{2}}$, day of

Octales, 2009 by David Siesel, proved tome on the basis of satisfactory evidence to be the person(s) who appeared before me.

<u>Allia Rometo</u> Notary Public My Commission Expires: <u>Mary 2,2010</u>

(Notary Seal)



ACKNOWLEDGMENT OF ASSIGNEE

By:

Stephen L. Nesbitt Chief Patent Counsel VERTEX PHARMACEUTICALS INCORPORATED

OCTOPPEN 19, 2009 Date:

Commonwealth of Massachusetts County of Middlesex

On this 197 day of 000, 2009, 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: \square personal knowledge of identity, \square a driver's license, \square 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.

Lue M. Komano

Notary Public My Commission Expires: 5/8/204.

LISA M. ROMANO Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires May 13, 2016

Page 4 of 4