505176356 11/06/2018

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JEAN-DAMIEN CHARRIER	09/24/2013
JOHN STUDLEY	10/10/2013
FRANCOISE YVONNE THEODORA MARIE PIERARD	09/30/2013
STEVEN JOHN DURRANT	10/03/2013

RECEIVING PARTY DATA

Name:	VERTEX PHARMACEUTICALS (EUROPE) LIMITED	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15849241

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ATTORNEY DOCKET NUMBER:	394927-004USD2 (158144)	
NAME OF SUBMITTER:	ANDREA L.C. REID	
SIGNATURE:	/Andrea L.C. Reid/	
DATE SIGNED:	11/06/2018	

Total Attachments: 7

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PATENT 505176356 REEL: 047416 FRAME: 0697

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PATENT REEL: 047416 FRAME: 0698

ASSIGNMENT

We,

- (1) Jean-Damien Charrier, of Abingdon, Oxfordshire, United Kingdom;
- (2) John Studley, Abingdon, Oxfordshire, United Kingdom;
- (3) Françoise Yvonne Theodora Marie Pierard, of Abingdon, Oxfordshire, United Kingdom; and
- (4) Steven John Durrant, of Abingdon, Oxfordshire, United Kingdom, 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 (Europe) Limited, and do hereby assign, sell and transfer to, Vertex Pharmaceuticals (Europe) Limited, a company registered in England and Wales under registered number 02907620 and having an office and a place of business at 86-88 Jubilee Avenue, Milton Park, Abingdon, Oxfordshire OX14 4RW U.K., its successors and assigns, all hereinafter referred to as the ASSIGNEE:
- (1) the entire right, title and interest 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 MAKING COMPOUNDS USEFUL AS INHIBITORS OF ATR KINASE, and filed in the United States Patent and Trademark Office on September 28, 2012, under Application Number 13/631,759¹, including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or
- (b) the International Patent Application entitled: PROCESSES FOR MAKING COMPOUNDS USEFUL AS INHIBITORS OF ATR KINASE, filed under the Patent Cooperation Treaty in the United States Receiving Office on September 28, 2012, under Application No. PCT/US2012/058127², 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.

Vertex Pharmaceuticals (Europe) Limited Attorney Docket No.:VPI/11-127 US WO

- (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 any country throughout the world;
- (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in any country throughout 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):

61/541,865	US	September 30,2011
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 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) Jean-Damien Charrier

Date: 241 Septen & 2013

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: (1) VEMM Mrsy tel

Printed Name of Witness: RONALD KNEGTED

this 24th day of Sept 2013.

Date of signing

Printed Name of Witness: Aheta Stawska

this 24th day of 50.2013.

Date of signing

		Date:	10 00	1
IN WITNESS WHEREOF,	have hereunto	set hand and	l seal	
Signature of witness: (1)	Wa S	Aowala	egemen ^a	
Printed Name of Witness:				
this <u>10+1</u> day of				
Signature of witness: (2)	KryDown	ot		
Printed Name of Witness:	RORY STEW	ARC		
this 10th day of C	Hoser 201	<u>3</u>		

(2) John Studley

(3) Françoise Yvonne Theodora Marie Pierard
Date: 30 Sept 2013
IN WITNESS WHEREOF, I have hereunto set hand and seal
Signature of witness: (1) Printed Name of Witness: Austair futnerford
this 30th day of SZPTEWBER 2013. Date of signing
Signature of witness: (2)
Printed Name of Witness: Anete Stansla
this 30^{44} day of 5000 . Date of signing

	(4) Steven Jo	ohn Durrant B ^{PD} OCUBER 2013	
IN WITNESS WHEREOF, I have hereunto	set hand and	seal	
Signature of witness: (1)			
Printed Name of Witness: GORKA ETXE	BARRIA J	MRVI	
this 3 Ro day of October 2013. Date of signing			
Signature of witness: (2) Ho San San			
Printed Name of Witness:	- Stan	15ka	
this 3 md day of 0 ch 2013. Date of signing			

ACKNOWLEDGMENT OF ASSIGNEE

Vice President and Chief IP Counsel

VERTEX PHARMACEUTICALS INCORPORATED

Commonwealth of Massachusetts County of Middlesex

On this 23rd day of 240x, 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: 574/8.



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