

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BENJAMIN JOSEPH LITTLER	08/28/2013
ROBERT MICHAEL HUGHES	09/03/2013
DAVID ANDREW SIESEL	08/28/2013
PAUL ANGELL	09/05/2013
ARMANDO URBINA	09/04/2013
RECEIVING PARTY DATA	
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State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15849241
CORRESPONDENCE DATA	
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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: 9	

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ASSIGNMENT

We,

- (1) Benjamin Joseph Littler, of Carlsbad, California;
- (2) Robert Michael Hughes, of San Diego, California;
- (3) David Andrew Siesel, of San Diego, California;
- (4) Paul Angell, of Carlsbad, California; and
- (5) Armando Urbina, of San Diego, California,

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 (San Diego) LLC and do hereby assign, sell and transfer to, Vertex Pharmaceuticals (San Diego) LLC, a corporation organized and existing under the laws of the State of Delaware and having an office and a place of business at 11010 Torreyana Road, San Diego, CA 92121, 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 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.

(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):

61/541,865	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 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.

Benjamin Littler

(1) Benjamin Joseph Littler

Date: 28 AUG-2013

State of California

County of San Diego

On August 28, 2013 before me, Lauren M DeVincenzo, Notary Public
(insert name and title of the officer)

personally appeared BENJAMIN Joseph Littler, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Lauren M DeVincenzo (Seal)



David A Siesel

(3) David Andrew Siesel

Date: 28 AUG 2013

State of California

County of San Diego

On August 08, 2013 before me, Lauren M. DeVincenzo, Notary Public
(insert name and title of the officer)

personally appeared David Andrew Siesel, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Lauren M DeVincenzo (Seal)



Paul Angell

(4) Paul Angell

Date: 05 SEP 2013

State of California

County of San Diego

On September 5, 2013 before me, Lauren M. DeVincenzo
(insert name and title of the officer)

personally appeared Paul Angell, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Lauren M DeVincenzo (Seal)



Armando Urbina

(5) Armando Urbina

Date: 04 SEP 2013

State of California

County of San Diego

On September 4, 2013 before me, Lauren M. DeVincenzo, Notary Public
(insert name and title of the officer)

personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Lauren M. DeVincenzo (Seal)



ACKNOWLEDGMENT OF ASSIGNEE

By: [Signature]
Stephen L. Nesbitt
Vice President and Chief IP Counsel
VERTEX PHARMACEUTICALS INCORPORATED

Date: 9/18/13

Commonwealth of Massachusetts
County of Middlesex

On this 18th day of September, 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.

[Signature]
Notary Public
My Commission Expires: 5/4/18.



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