

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2625367

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>HAYLEY BINCH</td> <td>04/16/2010</td> </tr> <tr> <td>PETER D.J. GROOTENHUIS</td> <td>04/16/2010</td> </tr> <tr> <td>SARA S. HADIDA RUAH</td> <td>04/16/2010</td> </tr> <tr> <td>JINGLAN ZHOU</td> <td>04/16/2010</td> </tr> <tr> <td>ANNA HAZLEWOOD</td> <td>04/20/2010</td> </tr> <tr> <td>LEV T.D. FANNING</td> <td>06/01/2010</td> </tr> </tbody> </table>		Name	Execution Date	HAYLEY BINCH	04/16/2010	PETER D.J. GROOTENHUIS	04/16/2010	SARA S. HADIDA RUAH	04/16/2010	JINGLAN ZHOU	04/16/2010	ANNA HAZLEWOOD	04/20/2010	LEV T.D. FANNING	06/01/2010
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ANNA HAZLEWOOD	04/20/2010														
LEV T.D. FANNING	06/01/2010														
RECEIVING PARTY DATA															
Name:	VERTEX PHARMACEUTICALS INCORPORATED														
Street Address:	130 WAVERLY STREET														
City:	CAMBRIDGE														
State/Country:	MASSACHUSETTS														
Postal Code:	02139														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13778949</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13778949										
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Application Number:	13778949														
CORRESPONDENCE DATA															
Fax Number:	(617)341-6483														
Phone:	8584045358														
Email:	usptopatents@vrtx.com														
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>															
Correspondent Name:	VERTEX PHARMACEUTICALS INCORPORATED														
Address Line 1:	130 WAVERLY STREET														
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02139														
ATTORNEY DOCKET NUMBER:	VPI/07-129 USW CN1 DV2														
NAME OF SUBMITTER:	LAUREN M. DEVINCENZO														

CH \$40.00 13778949

Signature:	/Lauren M. DeVincenzo/
Date:	11/22/2013
<p>Total Attachments: 18</p> <p>source=VPI_07_129USWCN1executed_assignment#page1.tif source=VPI_07_129USWCN1executed_assignment#page2.tif source=VPI_07_129USWCN1executed_assignment#page3.tif source=VPI_07_129USWCN1executed_assignment#page4.tif source=VPI_07_129USWCN1executed_assignment#page5.tif source=VPI_07_129USWCN1executed_assignment#page6.tif source=VPI_07_129USWCN1executed_assignment#page7.tif source=VPI_07_129USWCN1executed_assignment#page8.tif source=VPI_07_129USWCN1executed_assignment#page9.tif source=VPI_07_129USWCN1executed_assignment#page10.tif source=VPI_07_129USWCN1executed_assignment#page11.tif source=VPI_07_129USWCN1executed_assignment#page12.tif source=VPI_07_129USWCN1executed_assignment#page13.tif source=VPI_07_129USWCN1executed_assignment#page14.tif source=VPI_07_129USWCN1executed_assignment#page15.tif source=VPI_07_129USWCN1executed_assignment#page16.tif source=VPI_07_129USWCN1executed_assignment#page17.tif source=VPI_07_129USWCN1executed_assignment#page18.tif</p>	

ASSIGNMENT

We,

- (1) Hayley Binch, of Encinitas, California;
- (2) Peter D.J. Grootenhuis, of San Diego, California;
- (3) Sara S. Hadida Ruah, of La Jolla, California;
- (4) Jinglan Zhou, of San Diego, California;
- (5) Anna Hazlewood, of San Diego, California; and
- (6) Lev T.D. Fanning, of San Marcos, 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 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: **MODULATORS OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR**, and filed in the United States Patent and Trademark Office on **March 12, 2010** under Application Number **12/722,642**, 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):

PCT/US2008/076376	WO	September 15, 2008
Application No.	Country	Filing Date
60/972,599	US	September 14, 2007
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.

(1) _____
Hayley Binch

Date: _____

State of California

County of _____)

On _____ before me, Hayley Binch personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person 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 _____ (Seal)

(2) _____
Peter D. J. Grootenhuis

Date: _____

State of California

County of _____)

On _____ before me, Peter D.J. Grootenhuis, personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 _____ (Seal)

(3) _____
Sara S. Hadida Ruah

Date: _____

State of California

County of _____)

On _____ before me, Sara S. Hadida Ruah personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person 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 _____ (Seal)

(4) _____
Jinglan Zhou

Date: _____

State of California

County of _____)

On _____ before me, Jinglan Zhou personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 _____ (Seal)

(5) A. Hazlewood
Anna Hazlewood

Date: 04/20/2010

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: Jamie R. Kelkenberg

Printed Name of Witness: Jamie R. Kelkenberg

this 20 day of April, 2010.
Date of signing

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: Angela Tibbs

Printed Name of Witness: Angela Tibbs

this 20 day of April, 2010.
Date of signing

(6) _____
Lev T. D. Fanning

Date: _____

State of California

County of _____)

On _____ before me, Lev T.D. Fanning personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 _____ (Seal)

ACKNOWLEDGMENT OF ASSIGNEE

By: *Stephen Nesbitt*
Stephen Nesbitt

Title: Chief Patent Counsel

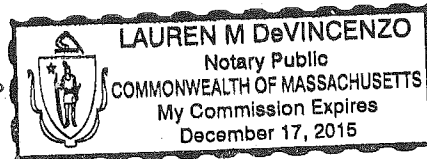
Date: June 8, 2011

State of Massachusetts
County of Middlesex

On this 8th day of JUNE, 2011, before me, the undersigned notary public, personally appeared Stephen Nesbitt, proved to me through satisfactory evidence of identification which were personal knowledge, 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 knowledge and belief.

Lauren M DeVincenzo
Notary Public:

My Commission Expires: December 17, 2015



ASSIGNMENT

We,

- (1) Hayley Binch, of Encinitas, California;
- (2) Peter D.J. Grootenhuis, of San Diego, California;
- (3) Sara S. Hadida Ruah, of La Jolla, California;
- (4) Jinglan Zhou, of San Diego, California;
- (5) Anna Hazlewood, of San Diego, California; and
- (6) Lev T.D. Fanning, of San Marcos, California,

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(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):

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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) Hayley Binch
Hayley Binch

Date: 04/16/2010

State of California

County of San Diego)

On April 16th 2010 before me, Hayley Binch personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person 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 Ofelia Rosado (Seal)



(2) 
Peter D. J. Grootenhuis

Date: 4/16/2010

State of California

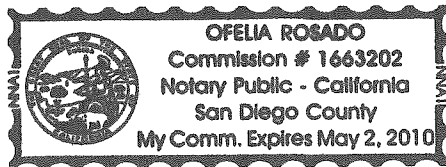
County of San Diego)

On April 16th, 2010 before me, Peter D.J. Grootenhuis, personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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  (Seal)



(3) *S. Hadida*
Sara S. Hadida Ruah

Date: 4/16/2010

State of California

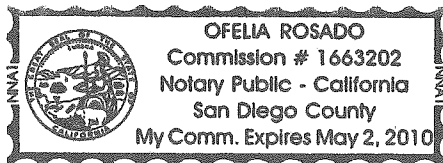
County of San Diego)

On April 16th, 2010 before me, Sara S. Hadida Ruah personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person 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 *Ofelia Rosado* (Seal)



(4) Ji
Jinglan Zhou

Date: 4/16/10

State of California

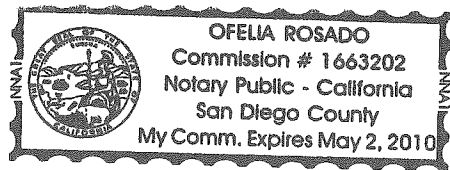
County of San Diego

On April 16th, 2010 before me, Jinglan Zhou personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Ofelia Rosado (Seal)



(5) _____
Anna Hazlewood

Date: _____

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: _____

Printed Name of Witness: _____

this _____ day of _____.

Date of signing

IN WITNESS WHEREOF, I have hereunto set hand and seal

Signature of witness: _____

Printed Name of Witness: _____

this _____ day of _____.

Date of signing

(6) *Lev T. D. Fanning*
Lev T. D. Fanning

Date: 6/1/10

State of California

County of San Diego

On June 1st, 2010 before me, Lev T.D. Fanning personally appeared, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 *Ofelia Rosado* (Seal)



ACKNOWLEDGMENT OF ASSIGNEE

By: *Stephen Nesbitt*
Stephen Nesbitt

Title: Chief Patent Counsel

Date: June 8, 2011

State of Massachusetts
County of Middlesex

On this 8th day of JUNE, 2011^{11LMD}, before me, the undersigned notary public, personally appeared Stephen Nesbitt, proved to me through satisfactory evidence of identification which were personal knowledge, 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 knowledge and belief.

Lauren M DeVincenzo
Notary Public:
My Commission Expires: December 17, 2015

