#### 504649335 11/17/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

**SUBMISSION TYPE: NEW ASSIGNMENT NATURE OF CONVEYANCE: ASSIGNMENT** 

EPAS ID: PAT4696056

### **CONVEYING PARTY DATA**

Name	Execution Date
JEFFERY L. KUTOK	04/23/2015
DAVID G. WINKLER	04/23/2015
VITO J. PALOMBELLA	04/23/2015
ALFREDO C. CASTRO	03/30/2017
CATHERINE A. EVANS	04/07/2017
SOMARAJANNAIR JANARDANANNAIR	04/11/2017
ANDRE LESCARBEAU	03/28/2017
TAO LIU	03/22/2017
MARTIN R. TREMBLAY	03/28/2017

## **RECEIVING PARTY DATA**

Name:	INFINITY PHARMACEUTICALS, INC.
Street Address:	780 MEMORIAL DRIVE
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02139

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15672964

## **CORRESPONDENCE DATA**

Fax Number: (212)755-7306

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: 858-314-1200

Email: cjhines@jonesday.com, wtokmakidis@jonesday.com

**JONES DAY Correspondent Name:** 

Address Line 1: 250 VESEY STREET Address Line 2: WENDY TOKMAKIDIS

Address Line 4: **NEW YORK, NEW YORK 10281-1047** 

ATTORNEY DOCKET NUMBER: 12928-185-999 NAME OF SUBMITTER: CARRIE J. HINES

PAIENI **REEL: 044166 FRAME: 0153** 504649335

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SIGNATURE:	/Carrie J. Hines/	
DATE SIGNED:	11/17/2017	
Total Attachments: 15		
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PATENT REEL: 044166 FRAME: 0154

WHEREAS, WE, Jeffery L. KUTOK, citizen of the United States, having a mailing address of 9 Oak Hill Road, Natick, MA 01760, residing at Natick, MA; David G. WINKLER, citizen of the United States, having a mailing address of 127 George Street, Arlington, MA 02476, residing at Arlington, MA and Vito J. PALOMBELLA, citizen of the United States, having a mailing address of 15 Morningside Road, Needham, MA 02492, residing at Needham, MA, ASSIGNORS, are the inventors of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which we have executed an application for a Patent of the United States

- ★ Which is identified by Jones Day docket no. 12928-156-999 (CAM 765398-999156)
- ₩ which was filed on March 18, 2015, Application No. 14/661,656

and WHEREAS, INFINITY PHARMACEUTICALS, INC., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 780 Memorial Drive, Cambridge, MA 02139, ASSIGNEE, is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions; renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	<u>Nan 23</u>	, 2015	Jeffey Like TOK	LS
Date	Apri/23	, 2015	Dayli G, WINKLER	LS
Date	<u> April 23 </u>	, 2015	Vito J.PALOMBELLA	15

STATE OF MYNOC WORLD
STATE OF MUSIC LUELTS COUNTY OF MICHELE SS.:
On 10.23 20.5 before me, 10.00 Notary Public, personally appeared Jeffery L. KUTOK, personally known 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.
WITNESS my hand and official seal
Signature / (Seal)
PAULA CHUBET Notary Public Commonwealth of Massachusetti My Commission Expires September 29, 2017
STATE OF MINDELLAND SS.:
On Jary 3 205 before me. Notary Public, personally appeared David G. WINKLER, personally known 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.
WITNESS my hand afficial seal Signature (Seal)  PAULA CHUBET
Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires September 29, 2017

STATE OF SS.:  COUNTY OF SS.:  On AT 23 20/5 before me.  PALOMBELLA, persorally known to me on the basis of satisfactor within instrument and acknowledged to me that he/she/they exerchis/her/their signature(s) on the instrument the person(s), or the entity  WITNESS my hand and official seal  Signature	ory evidence to be cuted the same in	n his/her/their authorized capacity(ies), and that by
ACCEPTED AND AGREED TO BY ASSIGNEE, INFINITY PHA	RMACEUTICAI	LS, INC.:
Signature: Duc 4. Ui	Date:	4/23/2015
Printed Name: Deborah A. Miller		
Title: Deputy General Counsel, Intellectual Property		

WHEREAS, I, Alfredo C. Castro, citizen of the United States, having a mailing address of 14 Kelly Drive, Woburn, MA 01801, residing at Woburn, MA, ASSIGNOR, am the inventor of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which an application for a Patent of the United States has been filed.

- 🔯 which is identified by Jones Day docket no. 12928-156-999 (CAM 765398-999156)
- which was filed on March 18, 2015, Application No. 14/661,656

and WHEREAS, Infinity Pharmaceuticals, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 780 Memorial Drive, Cambridge, MA 02139, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, it, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, and the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND I HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature.

Date	3/30/2017 ,2017	Alfredo C. Castro	L.S.
Date	3/30/2017	Mitness 1 - Signature	
Date	3/30/2017	Witness 2 - Signature  Victoria Castro  Witness 2 - Printed Name	

	***************************************
ACCEPTED AND AGREED TO BY ASSIGNEE, Infinity Pharmaceuticals,	lac.:
Signature AUTS	Dete: <u>May 14 2017</u>
Printed name Schr Tasker	*
Title VP, beneal Coursel	

WHEREAS, I, Catherine A. Evans, citizen of the United States, having a mailing address of 83 Jaques Street, Somerville, MA 02145, residing at Somerville, MA, ASSIGNOR, am the inventor of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which an application for a Patent of the United States has been filed.

- which is identified by Jones Day docket no. 12928-156-999 (CAM 765398-999156)
- which was filed on March 18, 2015, Application No. 14/661,656

and WHEREAS, Infinity Pharmaceuticals, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 780 Memorial Drive, Cambridge, MA 02139, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

AND I HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature.

Date <u>FAPNI</u> , 2017	Catherine A. Evans
Date 7April COT	JQ4/ J2
	Richard A. Howlett Phy Witness 1—Printed Name
Date 7 April 2017	
*	Tromas A. Backys
	Witness 2 Printed Name

Page 1 of 2

ACCEPTED AND AGREED TO BY ASSIGNEE, Infinity Pharmaceuticals,	Inc.:
Signature SIHHA	Date: <u>May 12, 2017</u>
Printed name <u>Seth Table</u>	~
Title UP General Coursel	

WHEREAS, I, Somarajannair Janardanannair, citizen of India, having a mailing address of 10 Totman Dr., Apt. 7, Woburn, MA 01801, residing at Woburn, MA, ASSIGNOR, am the inventor of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which an application for a Patent of the United States has been filed.

- which is identified by Jones Day docket no. 12928-156-999 (CAM 765398-999156)
- which was filed on March 18, 2015, Application No. 14/661,656

and WHEREAS, Infinity Pharmaceuticals, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 780 Memorial Drive, Cambridge, MA 02139, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature.

Date O = 11 - ,2017 Somarajannair Janardasahnair

STATE OF MA ) COUNTY OF Middlesex		
On/	evidence to be id the same i	the person(s) whose name(s) is/are subscribed to the his/her/their authorized capacity(ies), and that be
WITNESS my hand and official seal Signature	(Seal)	DEENA SRINIVAS  ALCONIAS ENTRE (CANADAS ENTRE EN
ACCEPTED AND AGREED TO BY ASSIGNEE, Infinity Pharmaceu Signature	•	May 19, 2012
Printed name SelviTasker  Title VP beneal Course		x .

WHEREAS, I, Andre Lescarbeau, citizen of the United States, having a mailing address of 99 Poner Street, #1, Somerville, MA 02143, residing at Somerville, MA, ASSIGNOR, am the inventor of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which an application for a Patent of the United States has been filed.

- Which is identified by Jones Day docket no. 12928-156-999 (CAM 765398-999156)
- which was filed on March 18, 2015, Application No. 14/661,656

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including post infringement.

AND I HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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IN TESTIMONY WHEREOF, I hereunto set my hand and scal the day and year set opposite my signature.

Date <u>03   28</u>	2017 <u>Audu Luc</u> L.S.
Date 04/04/14	Andre Lescarbes u
	Alexander M. Taylor Witness I - Printed Name
Date <u>04/04/17</u>	Witness 2 - Signature
	Witness 2 - Printed Name

ACCEPTED AND AGREED TO BY ASSIGNEE, Infinity Pharmacouticals	s, Inc.:
Signature <u>SIHH</u>	Date:
Printed name <u>Selb Taske</u>	
Tille UP beneal Coursel	

WHEREAS, I, Tao Liu, citizen of the United States, having a mailing address of 11 Frost Circle, Wellesley, MA 02482, residing at Wellesley, MA, ASSIGNOR, am the inventor of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which an application for a Patent of the United States has been filed.

- W which is identified by Jones Day docket no. 12928-156-999 (CAM 765398-999156)
- ₩ which was filed on March 18, 2015, Application No. 14/661,656

and WHEREAS, Infinity Pharmaceuticals, Inc., a corporation organized and existing under the laws of the state of Delaware, and having an office for the transaction of business at 780 Memorial Drive, Cambridge, MA 02139, ASSIGNEE, is desirous of obtaining my entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREPORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filled for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature,

Date	<u>z = z z </u>	. 2017 Tuo Liu	_ L.S.
Date	3-22-17		u.
Date	7-22-(2	Mathew R. Medeiros  Witness 1 - Printed Name  Witness 2 - Signature  Deajan in Lane  Witness 2 - Printed Name	

ACCEPTED AND AGREED TO BY ASSIGNEE, Infinity Pharmaceuticals, I	inc.;
Signature SAUSS	Date: <u>May 19, 2017</u>
Printed name Sella Tasa	
Title VP beacont Courses	

WHEREAS, I, Martin R. Tremblay, citizen of the United States, having a mailing address of 47 Heywood Avenue, Melrose, MA 02176, residing at Melrose, MA, ASSIGNOR, am the inventor of the invention in HETEROCYCLIC COMPOUNDS AND USES THEREOF for which an application for a Patent of the United States has been filed.

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- which was filed on March 18, 2015, Application No. 14/661,656

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NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, the ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may be filed for said invention in any country or countries foreign to the United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and all right to sue for infringement including past infringement.

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Date 03/28 7 Martin R. Tremblay

Date 03/28/17

June 1-Signature
Time Talketa

Witness 1 - Printed Name

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature,

Witness 2 - Signature

Witness 2 - Printed Name

Date 03/28/1

ACCEPTED AN	ND AGREED TO BY ASSIGNEE, Infinity Pharmaceuticals,	Inc.:		
Signature	SUUD	Date:	May 19, 2017	***
Printed name	SethTusker			
Title	V? beneal Counsel			

Page 2 of 2

NAI-1502556705vI

**RECORDED: 11/17/2017** 

PATENT REEL: 044166 FRAME: 0169