#### 503891011 06/27/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3937662

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
STEPHEN J. BAKER	11/02/2006
TSUTOMU AKAMA	11/01/2006
VINCENT S. HERNANDEZ	11/02/2006
KARIN M. HOLD	11/02/2006
KIRK MAPLES	11/02/2006
JACOB J. PLATTNER	11/02/2006
VIRGINIA SANDERS	11/03/2006
YONG-KANG ZHANG	11/02/2006
GREGORY T. FIELDSON	11/27/2010
JAMES J. LEYDEN	06/19/2006

## **RECEIVING PARTY DATA**

Name:	ANACOR PHARMACEUTICALS, INC.
Street Address:	1020 EAST MEADOW CIRCLE
City:	PALO ALTO
State/Country:	CALIFORNIA
Postal Code:	94303

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15134286

## CORRESPONDENCE DATA

Fax Number: (415)442-1001

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: 415-442-1000

Email: peter.roidmaier@morganlewis.com

MORGAN, LEWIS & BOCKIUS LLP (SF) Correspondent Name:

Address Line 1: ONE MARKET, SPEAR STREET TOWER, SUITE 30

Address Line 4: SAN FRANCISCO, CALIFORNIA 94105

ATTORNEY DOCKET NUMBER: 064507-5014-US20

NAME OF SUBMITTER:	PETER F. ROIDMAIER
SIGNATURE:	/Peter F. Roidmaier/
DATE SIGNED:	06/27/2016

**Total Attachments: 26** 

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Attorney Docket No.: 64507-5014-US01

## ASSIGNMENT OF PATENT APPLICATION

**JOINT** 

WHEREAS, Stephen J. Baker of 1568 Begen Avenue, Mountain View, CA, 94040; Tsutomu Akama of 832 Azure Street, Sunnyvale, CA, 94087; Michael Richard Kevin Alley of 3751 Lillick Drive, Santa Clara CA 95051; Steven J. Benkovic of 771 Teaberry Lane, State College, PA 16803; Michael DiPierro of 3331 Midlane Drive, Wadsworth, IL, 60083; Vincent S. Hernandez of 287 Gilchrist Lane, Watsonville, CA, 95076; Karin M. Hold of 1908 Valdez Avenue, Belmont, CA, 94002; Isaac Kennedy of 1420 Lily Cache Lane, Bolingbrook, IL 60490; Igor Likhotvorik of 1124 Laurel Lane, Naperville, IL 60540; Weimin Mao of 1154 West Olive Avenue, #114, Sunnyvale, CA 94086; Kirk R. Maples of 1195 San Moritz Drive, San Jose, CA 95132; Jacob J. Plattner of 1016 Amito Avenue, Berkeley, CA 94705; Fernando Rock of 1183 Lisa Ln, Los Altos, CA 94024; Virginia Sanders of 2895 Harrison Street, Apt. 4, San Francisco, CA, 94110; Aaron M. Stemphoski of 736 Kitty Lane, Florence, SC 29501; George Petros Yiannikouros of 1864 Brigadoone Lane, Florence, CA 29505; Siead Zegar of 15124 Teebrook Drive, Orland Park, IL 60462; Yong-Kang Zhang of 5151 Westmont Avenue, San Jose, CA, 95130; and Huchen Zhou of Room 1001, Building 10, 50 Youqing Road, Shanhai, The People's Republic of China, 201100; hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

BORON-CONTAINING SMALL MOLECULES

Filing Date:

August 16, 2006

Application No.:

11/505,591; and

WHEREAS, Anacor Pharmaceuticals, Inc., located at 1060 East Meadow Circle, Palo Alto, CA 94303, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention

1-SF/7425498.1

Assignment

Attorney Docket No.: 64507-5014-US01

Page 2

and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF. Assignors have signed his/her names on the dates indicated.

III IESTINOIL WILLIAM, I ISSIGNOIS II	6,000
Dated: Nov 2, 2006	8086
STATE OF CALIFORNIA ) COUNTY OF Sawta Clara)  On NOV 2 2001 pbefore mad no	DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007  Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007
STEPHEN J. BAKER, personally known to me (or be the person whose name is subscribed to the within executed the same in his/her authorized capacity, an person, or the entity upon behalf of which the personal per	in instrument, and acknowledged to me that he/she and that by his/her signature on the instrument the
WITNESS my hand and official seal.	
	mielle M. Equit
My Commission Expires: DULY DOC	NOTARY PUBLIC
Dated: 11/01/2006	Jakann BUTOMU AKAMA
STATE OF CALIFORNIA  COUNTY OF Santa Clara  ss.	
On NOV 1, 2000 before m Don's	nd that by his/her signature on the instrument the
WITNESS my hand and official seal.	Dri elle M. Eomto
My Commission Expires: DULJO, 2	NOTARY PUBLIC
1-SF/7425498.1	DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007

**REEL: 039175 FRAME: 0301** 

Attorney Docket No.: 64507-5014-US01	
Page 3	
Dated: 11/2/2056	MICHAEL RICHARD KEVIN ALLEY
STATE OF CALIFORNIA )	
COUNTY OF Sawta Clara; ss.	
On NOV. 2, 2006, before moderal satisfactory evidence) to be the person whose acknowledged to me that he/size executed the	Sonally known to me (or proved to me on the basis of a name is subscribed to the within instrument, and a same in his/hof authorized capacity, and that by his/hof a entity upon behalf of which the person acted, executed the
WITNESS my hand and official seal.	Driele W. Eaust
My Commission Expires: Duy D	DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007
	STEVEN J. BENKOVIC
STATE OF PENNSYLVANIA ) ) ss. COUNTY OF )	
to be the person whose name is subscribed to	to me (or proved to me on the basis of satisfactory evidence) the within instrument, and acknowledged to me that he/she city, and that by his/her signature on the instrument the
WITNESS my hand and official seal.	
	NOTARY PUBLIC
My Commission Expires:	

Assignment Attorney Docket No.: 64507-5014- Page 3	US01	
Dated:		
		MICHAEL RICHARD KEVIN ALLEY
STATE OF CALIFORNIA	) ) ss. )	
On, b MICHAEL RICHARD KEVIN AL satisfactory evidence) to be the pers	son whose na ecuted the sa	personally appeared nally known to me (or proved to me on the basis of ame is subscribed to the within instrument, and me in his/her authorized capacity, and that by his/her atity upon behalf of which the person acted, executed the
WITNESS my hand and official sea	ıl.	
My Commission Expires:	gamanagan kangkan di di dikada	NOTARY PUBLIC
Dated: 11/22/06		STEVEN J. BENKOVIC
STATE OF PENNSYLVANIA COUNTY OF Centre	) ) ss. )	
On <u>18 November 2006</u> STEVEN J. BENKOVIC, personal to be the person whose name is sub executed the same in his/her author	before me, _t ly known to scribed to the rized capacit	me (or proved to me on the basis of satisfactory evidence) are within instrument, and acknowledged to me that he/she y, and that by his/her signature on the instrument the person acted, executed the instrument.
WITNESS my hand and official se	al.	
My Commission Expires: 11 22	07	Rottary Public  Notarial Seal  Bonnie L. Burris, Notary Public  State College Boro, Centre County  My Commission Expires Nov. 22, 2007

Assignment	
Attorney Docket No.: 64507-5014-US01	
Page 4	
7 mo11-17-06	
Dated: 11-14-06 Michael	of DiPierro
MICHAEL DIPIE	RRO
STATE OF ILLINOIS )	"OFFICIAL SEAL" Catherine Mierzwa
) ss.	Notary Public, State of Illinois
COUNTY OF )	{ Will County }
malland or	My Commission Expires 4-19-2007
On 11-17-3006, before me, MICHAGE DI	Wiere personally appeared
MICHAEL DIPIERRO, personally known to me (or proved to me of	on the basis of satisfactory evidence)
to be the person whose name is subscribed to the within instrument,	and acknowledged to me that ne/sne
executed the same in his/her authorized capacity, and that by his/her	r signature on the instrument the
person, or the entity upon behalf of which the person acted, execute	d the instrument.
WITNESS my hand and official seal.	les por
	NOTARY PUBLAC
My Commission Expires: 4-19-2007	NOTART FUDIAC
My Commission Expires:/_//	•
Photod.	$\sim$ $\sim$
Dated:	
VINCENT S. LIEF	RNANDEZ
STATE OF CALIFORNIA )	
) ss.	2
COLDEN OF	*:
In alvelur	11-14-06
On, before me,	personally appeared
VINCENT S HERNANDEZ personally known to me for proved to	o me on the basis of satisfactory
evidence) to be the person whose name is subscribed to the within 1	nstrument, and acknowledged to me
that he/she executed the same in his/her authorized capacity, and the	at by his/her signature on the
instrument the person, or the entity upon behalf of which the person	acted executed the instrument.
WITNESS my hand and official seal.	
	NOTARY PUBLIC

My Commission Expires:

Assignment Attorney Docket No.: 64507-5014-US01	
Page 4	
Dated:	
	MICHAEL DIPIERRO
STATE OF ILLINOIS ) ) ss.	
COUNTY OF )	
to be the person whose name is subscribed to the	personally appeared ne (or proved to me on the basis of satisfactory evidence) he within instrument, and acknowledged to me that he/she ty, and that by his/her signature on the instrument the person acted, executed the instrument.
WITHERD my hand and orreins sour.	NOTARY PUBLIC
My Commission Expires:	al X
Dated: 11/2/06	
	VINCENT S. HERNANDEZ
STATE OF CALIFORNIA )	
COUNTY OF Sauta Clava) ss.	
On 2000, before me VINCENT S. HERNANDEZ, personally know evidence) to be the person whose name is substituted by that he/she executed the same in his/her author	on to me (or proved to me on the basis of satisfactory scribed to the within instrument, and acknowledged to me rized capacity, and that by his/het signature on the for which the person acted, executed the instrument.
WITNESS my hand and official seal.	
My Commission Expires: Del 10	DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County

Assignment Attorney Docket No.: 64507-5014-US01	
Page 5	•
Dated:	KARIN-M-HOLD
STATE OF CALIFORNIA )	
COUNTY OF Sauta Clava; ss.	
On Nova, 2006, before med M. HOLD, personally known to me (or proved person whose name is subscribed to the within	I to me on the basis of satisfactory evidence) to be the instrument, and acknowledged to me that be/shé executed at by b/s/her signature on the instrument the person, or the executed the instrument.
WITNESS my hand and official seal.	
	Donielle M. Earito
My Commission Expires: DULD	DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007
Dated:	Wy Contin, expires du 12, 2007
•	ISAAC KENNEDY
STATE OF ILLINOIS )	
COUNTY OF ) ss.	
KENNEDY, personally known to me (or prov person whose name is subscribed to the within	personally appeared ISAAC red to me on the basis of satisfactory evidence) to be the instrument, and acknowledged to me that he/she executed hat by his/her signature on the instrument the person, or the executed the instrument.
WITNESS my hand and official seal,	
	NOTARY PUBLIC
My Commission Expires:	

Assignment Attorney Docket No.: 64507-5014-US	01
Page 5	,
Dated;	
	KARIN M. HOLD
STATE OF CALIFORNIA	SS.
COUNTY OF	
On, befo	pre me, personally appeared KARIN
person whose name is subscribed to the same in his/her authorized capacity entity upon behalf of which the person	r proved to me on the basis of satisfactory evidence) to be the e within instrument, and acknowledged to me that he/she executed /, and that by his/her signature on the instrument the person, or the acted, executed the instrument.
WITNESS my hand and official seal.	
	NOTARY PUBLIC
My Commission Expires:	
Dated: 11-21-2006	ISAAC KENNEDY
STATE OF ILLINOIS COUNTY OF WILL	) ) ss. )
On 11-31-06, bef KENNEDY, personally known to me	(or proved to me on the basis of satisfactory evidence) to be the within instrument, and acknowledged to me that he she executed y, and that by his her signature on the instrument the person, or the
WITNESS my hand and official seal.	
My Commission Expires:	NOTARY PUBLIC  "OFFICIAL SEAL"  GINA M. INSERRA  NOTARY PUBLIC STATE OF ILLINOIS  My Commission Expires 03/09/2008

Assignment	TICOI	•
Attorney Docket No.: 64507-5014 Page 6	-0301	
Dated://20/06		Stor Liloten 4
		IGOR LIKHOTVORIK
STATE OF ILLINOIS	)	
COUNTY OF Dupage	) ss. )	
On <u>II</u> <u>Jo Joolo</u> , I LIKHOTVORIK, personally know the person whose name is subscrib- executed the same in his/her author	pefore me, _ n to me (or ped to the with rized capacit	personally appeared IGOR proved to me on the basis of satisfactory evidence) to be hin instrument, and acknowledged to me that he/she berson acted, executed the instrument.
WITNESS my hand and official se	al.	
My Commission Expires: 8/11/	<del>Jevy</del>	NOUVENY PATES IC State of Illinois County of Will My Commission Expires August 11, 2008
Dated:		
		WEIMIN MAO
STATE OF CALIFORNIA	) ) ss.	
COUNTY OF	)	
WEIMIN MAO, personally known person whose name is subscribed to	to me (or position the within acity, and the	personally appeared roved to me on the basis of satisfactory evidence) to be the instrument, and acknowledged to me that he/she executed at by his/her signature on the instrument the person, or the xecuted the instrument.
WITNESS my hand and official se	eal.	
		NOTARY PUBLIC
My Commission Expires:		

Assignment Attorney Docket No.: 6450' Page 6	7-5014-US01					
Dated:	months and Walte					
		IGOR LI	KHOTVORIK	india and an annual and an annual and an	in the state of the second of the second of the State of	METERIA METERIA POR LA PROPERTICIONA POR SERVIZIONA POR CONTRACTORIO DE SERVIZIONA PORTE PORT
STATE OF ILLINOIS	) ) ss.					
COUNTY OF	ý					
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person, or the entity upon be WITNESS my hand and off		erson acted	i, executed the n	nstrumen	ι.	
William III		1 Million Hammer des Control of the Body and America	NOTA	RY PUB	et IC	S. AMAZONIA, BEN S. SEEL S.
My Commission Expires:	Mar 10 Air ann an Air		HOIA	IKI I OL	LIC	
Dated: リーターの(	<u> </u>		John	$\wedge$	Lan	>
		WEIMIN		Sec. Married St. Married Co., St. Co.,		A PROGRAMMA A PRINCE AND
state of California COUNTY OF Sawta C	lava) ss.					
On NOV 3, DO WEIMIN MAO, personally person whose name is subso the same in his/her authoriz entity upon behalf of which	known to me (or proribed to the within ited capacity, and that	<del>oved to m</del> instrument t by <b>hi</b> s/he	e on the basis of and acknowled r signature on th	<del>-satistact</del> lged to m	e that he/sl	re executed rson, or the
WITNESS my hand and off	icial seal.	DAN	zellzh	LEC	MU	0
My Commission Expires:	July 10, E	200	NOTA	ARY PUE	BLIC	
	t			Co Not	DONIELLE M. E mmission # 1 ary Public - C anta Clara C	430053

Assignment Attorney Docket No.: 64507-5014-US01 Page 7 Dated: 11/02/06 THR maples STATE OF CALIFORNIA COUNTY OF Santa Clara ss. On NOV 2, DOX professor me, Donielle U. Equ MAPLES, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. my hand and official seal. DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires July 200 My Commission Expires Dated: Nov 2, 2006 STATE OF CALIFORNIA On Non 2 200 Cocfore me, will W. Faut personally appeared JACOB J. PLATTNER, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. My Commission Expires: ,

Assignment Attorney Docket No.: 64507-5014-US01 Page 8		1/1/
Dated: 11/3/06	4	
•	FERNANDO ROCK	
STATE OF CALIFORNIA )		
COUNTY OF Sauta Clara; ss.  On Nov 3, 2006 before me.	11 1 1 0 0 1	$\checkmark$
On 3 200 before me, 1 FERNANDO ROCK, personally known to me to be the person whose name is subscribed to the we executed the same in his/her authorized capacity person, or the entity upon behalf of which the personal pe	or proved to me on the basi vithin instrument, and acknow, and that by his/ber signat	owledged to me that he/ske ure on the instrument the
WITNESS my hand and official seal.	tomille. Il	1. Equit
My Commission Expires: Duly D	DO 7 NOTA	DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County
Dated: Nov. 3, 2006	Virginia Sanders	My Comm. Expires Jul 12, 2007
STATE OF CALIFORNIA  COUNTY OF Salva Clava) ss.		
On NOV 3, COULD before the VIRGINIA SANDERS, personally known to m be the person whose name is subscribed to the vexecuted the same in bas/her authorized capacity person, or the entity upon behalf of which the p	e ( <del>or proved to me on the b</del> vithin instrument, and ackn v. and that by <b>hi</b> s/her signat	owledged to me that he/she cure on the instrument the
WITNESS my hand and official seal.	A	
My Commission Expires: Wy 6	Dille U 2007 NOTA	1. Collie O RY PUBLIC
		DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007

Assignment Attorney Docket No.: 64507-5014-US01 Page 9
Dated: Jaw 04 2007  (Cuon Stempholici AARON M. STEMPHOSKI
STATE OF SOUTH CAROLINA ) ) ss.
COUNTY OF )
On Jaw 84, 2007, before me, personally appeared AARON M. STEMPHOSKI, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.  WITNESS my hand and official seal.  Notary Public, South Carolina State at Larga My commission expires May 11, 2010.  My Commission Expires:  Dated: San 04 2007  GEORGE PETROS YIANNIKOPROS
STATE OF SOUTH CAROLINA )
COUNTY OF ) ss.
On Saw 04, 2007, before me,
WITNESS my hand and official seal.
Notary Public, South Carolina State at Large  NOTARY PUBLIC  NOTARY PUBLIC  NOTARY PUBLIC

Assignment	
Attorney Docket No.: 64507-5014-US01	
Page 10	
	. (7)
Dated: November 28, 7005	
	SIEAD ZEGAR
STATE OF ILLINOIS )	
) ss.	
COUNTY OF )	
6 B	21-20 21-110
On, before me, _	SIEAN 2 GGAN personally appeared
SIEAD ZEGAR, personally known to me (or p	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/she executed
the same in his/her authorized capacity, and that	at by his/her signature on the instrument the person, or the
entity upon behalf of which the person acted, e	xecuted the instrument.
WITNESS my hand and official seal.	
Catherine Mierzwa	0 —
Notary Public, State of Illinois	Mill by such
Will County {	Calhem Rowh
My Commission Expires 4-19-2007	NOTARY PUBLIC
My Commission Expires:	
•	
Dated:	
Dated,	
	YONG-KANG ZHANG
STATE OF CALIFORNIA )	
) SS.	
COUNTY OF )	
On , before me,	personally appeared
YONG-KANG ZHANG, personally known to	me (or proved to me on the basis of satisfactory evidence)
to be the person whose name is subscribed to t	he within instrument, and acknowledged to me that he/she
executed the same in his/her authorized capaci	ty, and that by his/her signature on the instrument the
person, or the entity upon behalf of which the	person acted, executed the instrument.
WITNESS my hand and official seal.	
	NOTARY PUBLIC
My Commission Expires:	

Assignment Attorney Docket No.: 64507-50 Page 10	14-US01	
Dated:		
	SIEAD	) ZEGAR
STATE OF ILLINOIS	) ) ss.	
COUNTY OF	) 55.	
SIEAD ZEGAR, personally know person whose name is subscribed	wn to me (or proved to I to the within instrume pacity, and that by his/I	personally appeared me on the basis of satisfactory evidence) to be the ent, and acknowledged to me that he/she executed ther signature on the instrument the person, or the the instrument.
WITNESS my hand and official	seal.	
	Statement and an experience	NOTARY PUBLIC
My Commission Expires:	miliki mala makama anda an mana nda ali mala india	
Dated: _//-2-2006	You	ngkang Thang
STATE OF CALIFORNIA	)	,
COUNTY OF Saw ta Clay	иа) ss.	
YONG-KANG ZHANG, persons to be the person whose name is s	ally known to me (or page subscribed to the within morized capacity, and the for which the person ac	
WITNESS my hand and official	seal.	
My Commission Expires:  DONIELLE M. EQU Commission # 1430 Notary Public - Calif Santa Clara Cour My Comm. Expires Jul 1	ITE 0053 fornia & niy	NILLO M. EQUITO NOTARY PUBLIC

## ASSIGNMENT OF PATENT

WHEREAS, Gregory T. Fieldson, residing at 218 Newberry Lane, Morgantown West Virginia 26505, (hereinafter "Assignor"), is the owner of the entire right, title and interest in and to United States Letters Patent No. 7,767,657 (hereinafter "Patent"), issued on August 3, 2010 and entitled BORON-CONTAINING SMALL MOLECULES, and the invention described and claimed therein, free and clear of any lien, encumbrance, charge, equity or restriction; and

WHEREAS, Anacor Pharmaceuticals, Inc, a Delaware Corporation having a place of business at 1020 East Meadow Circle, Palo Alto, CA 94303 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Patent and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and convey unto said Assignee, its successors and assigns, the entire right, title and interest in and to said invention for the whole of the United States and for each and every foreign country, including (1) said U.S. Letters Patent, (2) each and every foreign patent and patent application for said invention, (3) the right to enforce the same for past and future infringements, and (4) the right to collect all remuneration for past and future infringements including compensatory and punitive damages, to seek and obtain injunctions, and to collect attorneys fees, whether by settlement, adjudication or otherwise.

THE SAME TO BE HELD AND ENJOYED BY said Assignee, its successors and assigns, for its own use and behoof, for the life of rights in and to said invention, including to the full end of the life of the said Letters Patent of the United States and to the full end of the life of any foreign patent which exists or may be granted, as fully and entirely as the same might or could have been enjoyed by said Assignor had this assignment and sale not been made.

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DB2/22065119.1

IN ORDER TO CARRY OUT IN GOOD FAITH the intent and purpose of this assignment, said Assignor agrees to cooperate with said Assignee in maintaining said Patent and vesting said title in it and to execute all papers which the said Assignee shall deem desirable or necessary for vesting title to said invention, U.S. Letters Patent, or foreign patents or patent applications in said Assignee.

Gregory T. Fieldson (Assignor)

Date:	November 27,2010	Ву:	Gregory T. Fieldson
		Signature:	Gregar
			1 × 14th

On the date above, before me (see Witnesses below) personally appeared Gregory T. Fieldson, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1. July Fretilson	Date: 11/27/2016
WITNESS NO. 2. ashed P. aggrand	Date: ///27 / 2010

Witness 1: Sava J. Fieldson, 218 Newberry Ln, Morgantown WY 26505 Witness 2: Ashok P. Aggarwal, 492 Aspen St., Morgantown, WY 26505

Page 2 of 3

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Date: Nov. 24, 2010

Anacor Pharmaceuticals, Inc.(Assignee)

By:

Name: James R. Marconi

Vice President of Finance/Controller

On the date above, before me (see Witnesses below) personally appared James R. Marconi, personally known to me (or 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/she executed the same in his/her authorized capacity, and hat by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 2. Oukus Yache Date: Nov 24, 2010

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Attorney Docket No.: 64507-5014-US

## ASSIGNMENT OF PATENT APPLICATION

**JOINT** 

WHEREAS, Stephen J. Baker of 1568 Begen Avenue, Mountain View, CA, 94040; Tsutomu Akama of 832 Azure Street, Sunnyvale, CA, 94087; Carolyn Bellinger-Kawahara of 15 Landa Lane, Redwood City, CA, 94061; Vincent S. Hernandez of 287 Gilchrist Lane, Watsonville, CA, 95076; Karin M. Hold of 1908 Valdez Avenue, Belmont, CA, 94002; James J. Leyden of 319 Applebrook Drive, Malvern, CA, 19355; Kirk R. Maples of 1195 San Moritz Drive, San Jose, CA 95132; Jacob J. Plattner of 1016 Amito Avenue, Berkeley, CA 94705; Virginia Sanders of 2895 Harrison Street, Apt. 4, San Francisco, CA, 94110; and Yong-Kang Zhang of 5151 Westmont Avenue, San Jose, CA, 95130, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:

**BORON-CONTAINING SMALL MOLECULES** 

Filing Date:

February 16, 2006

Application No.:

11/357,687; and

WHEREAS, Anacor Pharmaceuticals, Inc., located at 1060 East Meadow Circle, Palo Alto, CA 94303, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

1-SF/7364295.1

Assignment Attorney Docket No.: 064507-5014-US Page 2 IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated. Dated: April 28th 2006 STEPHEN J. BAKER STATE OF CALIFORNIA COUNTY OF Santa Clara; STEPHEN J. BAKER, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal. DONIELLE M. EQUITE Commission # 1430053 Nota: Public - California Santa Clara County My Comm. Expires Jul 2, 20 Dated: 4/28/06 STATE OF CALIFORNIA county of Sauta Clara) on 28, 2006 before me, Don't le M. Equi Chersonally appeared WITNESS my hand and official seal.

TSUTOMU AKAMA, personally known to me (or 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/size executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

My Commission Expires:

DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County

My Comm. Expires Jul 12, 2007

Assignment Attorney Docket No.: 064507-5014-US Page 3
Dated: 4/26/06  Caraly Belling Lawrence CAROLYN BELLINGER-KAWAHARA
CAROLYN BELLINGER-KAWAHARA
STATE OF CALIFORNIA )
COUNTY OF Sawta Clara) ss.
On WI 36, 2006 before me, Down L.
DONIELLE M. EQUITE  Commission # 1430053  Notary Public - California Santa Clara County  My Comm. Expires Jul 12, 2007
My Commission Expires: 12. 14. 2007
Dated: 4/28/06
VINCENT S. HERNANDEZ
STATE OF CALIFORNIA )
COUNTY OF Santa Clara) ss.
On 108, 2008 of the Melle M. Equippersonally appeared VINCENT S. HERNANDEZ, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
Direlle M. Electo
My Commission Expires: Dely 2,0007
DONIELLE M. EQUITE

Assignment Attorney Docket No.: 064507-5014-US Page 4	
Dated: 4/28/06	KARIN M. HOLD
M. HOLD, personally known to me (or proved person whose name is subscribed to the within	DONIELLE M. EQUING Commission # 14300 Notary Public - Califor Santa Clara Count My Comm. Expires Jul 12  Difference personally appeared KARIN deto me on the basis of satisfactory evidence) to be the instrument, and acknowledged to me that be/she executed hat by his/her signature on the instrument the person, or the executed the instrument.
WA Commission & Fonile County Angles fin 13, 200 Angles County Angles County Angles County Angles County Angles County Angles Angles County An	DWILL M. EQUAD NOTARY PUBLIC
	JAMES J. LEYDON
STATE OF ) ss. COUNTY OF )	
person whose name is subscribed to the within	personally appeared JAMES ed to me on the basis of satisfactory evidence) to be the instrument, and acknowledged to me that he/she executed at by his/her signature on the instrument the person, or the xecuted the instrument.
	NOT A BY DUDLIC

My Commission Expires:

Assignment Attorney Docket No.: 064507- Page 4	5014-US	
Dated:		
		KARIN M. HOLD
STATE OF CALIFORNIA	)	
COUNTY OF	) ss. )	
person whose name is subscribe	a to the within apacity, and the	personally appeared KARIN d to me on the basis of satisfactory evidence) to be the n instrument, and acknowledged to me that he/she executed hat by his/her signature on the instrument the person, or the executed the instrument.
WITNESS my hand and official		
My Commission Expires:		NOTARY PUBLIC
Dated: 6/19/06		JAMES J. LEYDEN
STATE OF	)	
COUNTY OF	) ss. )	
person whose name is subscribed	o me (or prove to the within pacity, and tha	personally appeared JAMES ed to me on the basis of satisfactory evidence) to be the instrument, and acknowledged to me that he/she executed at by his/her signature on the instrument the person, or the executed the instrument.
WITNESS my hand and official s	eal.	
M. C. a. i. i. a. i.		NOTARY PUBLIC
My Commission Expires:		

Assignment Attorney Docket No.: 064507-5014-US Page 5
Dated: 4/28/06  TER. mysle KIRK R. MAPLES
KIRK R. MAPLES
STATE OF CALIFORNIA )
COUNTY OF Jawki Clara) ss.
On April 28, 2006 before me, Don't le Market personally appeared KIRK R. MAPLES, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.  DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires 12,2007  My Commission Expires:
Dated: (Ipril 28, 2006) Jacob J. Plattner
GEATE OF GAV FORMA
STATE OF CALIFORNIA ) ss.
county of Sauta Clara) ss.
On How To the fore me to will the Market personally appeared JACOB J. PLATTNER, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
WITNESS my hand and official seal.
$\rightarrow$ $\Omega_{0}$ $I$ $\tau_{0}$ $M$

My Commission Expires: De (4 D, 2007)

NOTARY PUBLIC

Assignment Attorney Docket No.: 064507-5014-US Page 6 Dated: 4128106 STATE OF CALIFORNIA COUNTY OF Santer Clara; ss. On And Some med Nielle M. Equit personally appeared VIRGINIA SANDERS, personally known to me (or 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 be/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. my hand and official seal. DONIELLE M. EQUITE Commission # 1430053 Notary Public - California Santa Clara County My Comm. Expires Jul 12, 2007 Dated: 4-28-2006 STATE OF CALIFORNIA COUNTY OF Sturke Ciara On Avail 28, 200 before me, Donielle W. Eduffersonally appeared YONG-KANG ZHANG, personally known to me (or 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.

My Commission Expires: 1007

DONIELLE M. EQUITE
Commission # 1430053
Notary Public - California
Santa Clara County
My Comm. Expires Jul 12, 2007

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