

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6931993

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Jayant Thatte	04/21/2011
Anthony C. Blackburn	09/16/2011
Sangdon Han	11/14/2011
Robert M. Jones	09/19/2011
Jae-Kyu Jung	02/17/2012
Antonio Garrido Montalban	11/15/2011
Biman B. Pal	11/14/2011
Jaimie Karyn Rueter	09/16/2011
Sonja Strah-Pleyner	03/19/2012
Lars Thoresen	02/10/2012
Yifeng Xiong	11/14/2011
Dawei Yue	09/28/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARENA PHARMACEUTICALS, INC.
<b>Street Address:</b>	6154 NANCY RIDGE DRIVE
<b>City:</b>	SAN DIEGO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	92121
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17478274
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
<i>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.</i>	
<b>Phone:</b>	(858) 678-5635
<b>Email:</b>	apsi@fr.com
<b>Correspondent Name:</b>	CRYSTAL L. CULHANE
<b>Address Line 1:</b>	FISH & RICHARDSON P.C.
<b>Address Line 2:</b>	P.O.BOX 1022

PATENT

<b>Address Line 4:</b> MINNEAPOLIS, MINNESOTA 55440-1022	
<b>ATTORNEY DOCKET NUMBER:</b>	20750-0198006 203.US7.CON
<b>NAME OF SUBMITTER:</b>	SUZANNE C. O'NEILL
<b>SIGNATURE:</b>	/Suzanne C. O'Neill/
<b>DATE SIGNED:</b>	09/23/2021
<b>Total Attachments: 14</b> source=20750-0198006SignedAssignment#page1.tif source=20750-0198006SignedAssignment#page2.tif source=20750-0198006SignedAssignment#page3.tif source=20750-0198006SignedAssignment#page4.tif source=20750-0198006SignedAssignment#page5.tif source=20750-0198006SignedAssignment#page6.tif source=20750-0198006SignedAssignment#page7.tif source=20750-0198006SignedAssignment#page8.tif source=20750-0198006SignedAssignment#page9.tif source=20750-0198006SignedAssignment#page10.tif source=20750-0198006SignedAssignment#page11.tif source=20750-0198006SignedAssignment#page12.tif source=20750-0198006SignedAssignment#page13.tif source=20750-0198006SignedAssignment#page14.tif	

ASSIGNMENT

For valuable consideration, we, Jayant Thatte, of 16881 Abundante Street, San Diego, CA 92127; Anthony C. Blackburn, of 12633 Caminito Rosita, San Diego, CA 92128; Sangdon Han, of 9953 Fieldthorn Street, San Diego, CA 92127; Robert M. Jones, of 10937 Corte luz del Sol, San Diego, CA 92130; Jae-Kyu Jung, of 16478 Camelias Walk, San Diego, CA 92127; Antonio Garrido Montalban, of 10339 Azuaga Street, Unit 213, San Diego, CA 92129; Biman B. Pal, of 8560 Foxcroft Place, San Diego, CA 92129; Jaimie Karyn Rueter, of 9022 Westvale Road, San Diego, CA 92129; Sonja Strah-Pleyne, of 27 Melrose Avenue, Newton, MA 02466; Lars Thoresen, of 7130 Shoreline Drive, No. 1110, San Diego, CA 92122; Yifeng Xiong, of 5036 Pearlman Way, San Diego, CA 92130; Dawei Yue, of 11353 Nahama Lane, San Diego, CA 92130; and Xiuwen Zhu, of 11367 Black Colt Lane, San Diego, CA 92130; hereby assign to ARENA PHARMACEUTICALS, INC., a corporation of Delaware, having a place of business at 6166 Nancy Ridge Drive, San Diego, CA 92121, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are disclosed in a provisional application for United States Patent, naming us as co-inventors, entitled CANNABINOID RECEPTOR MODULATORS, filed February 25, 2011, and assigned U.S. Serial Number 61/446,729 this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 4/21/2011

JAYANT THATTE  
JAYANT THATTE

State of California

County of San Diego

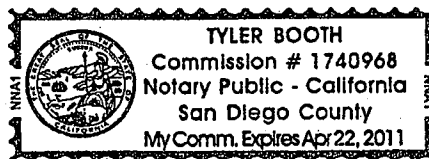
On 04/21/11 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Jayant Thatte, 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 [Signature] (Seal)



DATE: 16-Sep-2011

Anthony C. Blackburn  
ANTHONY C. BLACKBURN

State of California

County of San Diego

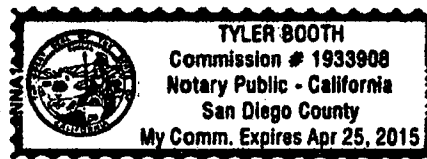
On 09/16/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Anthony C. Blackburn, 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 [Signature] (Seal)



DATE:

11/14/2011

SANGDON HAN

State of California

County of San Diego

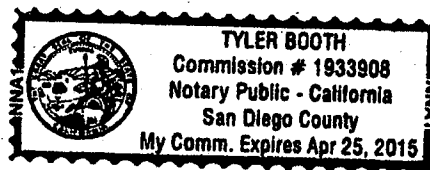
On 11/14/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Sangdon Han, 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.

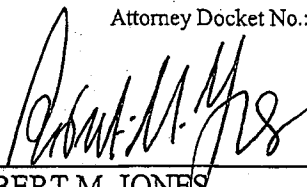
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Tyler Booth (Seal)



DATE: 19<sup>th</sup> Sept 2011

  
ROBERT M. JONES

State of California

County of San Diego

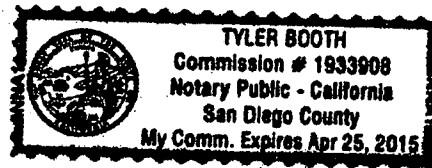
On 09/19/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Robert M. Jones, 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  (Seal)



DATE: 2/17/2012

[Signature]  
JAE-KYU JUNG

State of California

County of San Diego

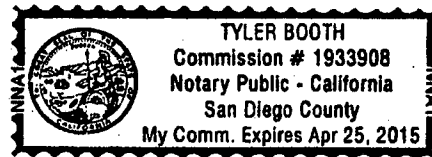
On 02/17/2012 before me, Tyler Booth, Notary Public,  
(insert name and title of the officer)

personally appeared Jae-Kyu Jung, 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 [Signature] (Seal)



DATE: 15 Nov 11

Antonio Garrido Montalban  
ANTONIO GARRIDO MONTALBAN

State of California

County of San Diego

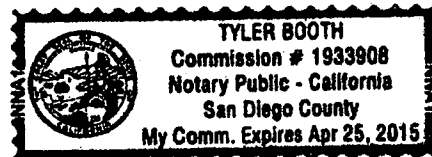
On 11/15/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Antonio Garrido Montalban, 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 Tyler Booth (Seal)



DATE: 14 Nov 2011

Biman Pal  
BIMAN B. PAL

State of California

County of San Diego

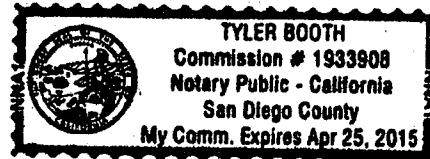
On 11/14/2011 before me, Tyler Booth, Notary Public,  
(insert name and title of the officer)

personally appeared Biman B. Pal, 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 TB (Seal)



DATE: 16 SEP 11

Jaimie Karyn Rueter  
JAIMIE KARYN RUETER

State of California

County of San Diego

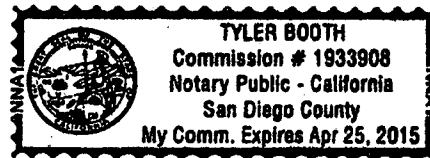
On 09/16/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Jaimie Karyn Rueter, 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 Tyler Booth (Seal)



DATE: 03/19/2012

Sonja Strah-PleyNet  
SONJA STRAH-PLEYNET

State of ~~California~~ Massachusetts (C)

County of Suffolk

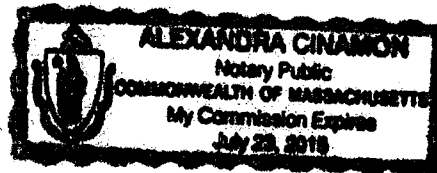
On 3.19.2012 before me, Alexandra Cinamon,  
(insert name and title of the officer)

personally appeared Sonja Strah-PleyNet, 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. Massachusetts (C)

WITNESS my hand and official seal.

Signature [Signature] (Seal)



DATE: February 10, 2012

LARS THORESEN

State of ~~California~~ New Zealand  
County of Waikato

On 10 February 2012 before me, STEVEN JAMES SCARF,  
(insert name and title of the officer)

personally appeared Lars Thoresen, 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 [Signature] (Seal)

MANAGER RAGLAN SERVICE CENTRE  
WAIKATO DISTRICT COUNCIL  
OFFICER AUTHORISED TO TAKE  
A STATUTORY DECLARATION.

DATE: 11/14/2011

Yifeng Xiong  
YIFENG XIONG

State of California

County of San Diego

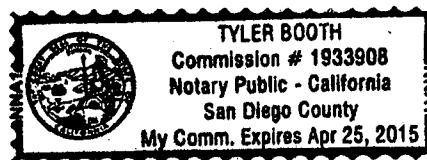
On 11/14/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Yifeng Xiong, 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 [Signature] (Seal)



DATE: 09/28/2011

DAWEI YUE

State of California

County of San Diego

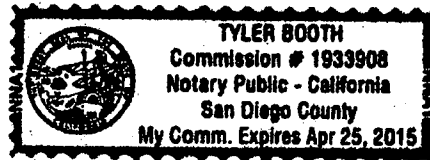
On 09/28/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Dawei Yue, 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 TB (Seal)



DATE: 9/15/2011

Xiuwen Zhu  
XIUWEN ZHU

State of California

County of San Diego

On 09/15/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Xiuwen Zhu, 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 Tyler Booth (Seal)

