503960105 08/15/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4006760

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| BRADLEY TEEGARDEN | 11/12/2008 |
| DENNIS CHAPMAN | 01/16/2009 |
| JUYI CHOI | 11/14/2008 |
| KONRAD FEICHTINGER | 11/12/2008 |
| SANGDON HAN | 11/12/2008 |
| HONNAPPA JAYAKUMAR | 11/11/2008 |
| THUY-ANH TRAN | 11/11/2008 |
| JINGDONG XU | 11/17/2008 |
| NING ZOU | 11/11/2008 |

RECEIVING PARTY DATA

| Name: | Arena Pharmaceuticals, Inc. |
|-----------------|-----------------------------|
| Street Address: | 6154 Nancy Ridge Drive |
| City: | San Diego |
| State/Country: | CALIFORNIA |
| Postal Code: | 92121 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15236722 |

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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) 678-4794 Email: apsi@fr.com Correspondent Name: ANDREA DORIGO

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 20750-0027005 CHERYL A. FORREST NAME OF SUBMITTER:

PAIENI REEL: 039434 FRAME: 0249 503960105

| SIGNATURE: | /Cheryl A. Forrest/ |
|--------------------------------------|---------------------|
| DATE SIGNED: | 08/15/2016 |
| Total Attachments: 10 | |
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PATENT REEL: 039434 FRAME: 0250

ASSIGNMENT

For valuable consideration, we, BRADLEY TEEGARDEN of 11933 Windom Peak Way San Diego, CA 92131, DENNIS CHAPMAN of 4779 Mt. Ashmun Drive San Diego, CA 92111, JUYI CHOI of 6341 Peach Way San Diego, CA 92130, KONRAD FEICHTINGER of 3533 6th Avenue, Apt. 3 San Diego, California 92103, SANGDON HAN of 9953 Fieldthorn St. San Diego, CA 92127, HONNAPPA JAYAKUMAR of 5555 Porter Creek Road San Diego, California 92130 US, THUY-ANH TRAN of 4833 Fairport Way San Diego, CA 92130, JINGDONG XU of 11184 Vista Sorrento Parkway No. 304 San Diego, CA 92130, NING ZOU of 9829 Fieldthorn Street San Diego, CA 92127, 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 subject of an application for United States Patent signed by us, entitled PRIMARY AMINES AND DERIVATIVES THEREOF AS MODULATORS OF THE 5-HT2A SEROTONIN RECEPTOR USEFUL FO RTHE TREATMENT OF DISORDERS RELATED THERETO, filed Nov. 17, 2008, and assigned U.S. Serial Number 12/301,172, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; 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.

PATENT REEL: 039434 FRAME: 0251

| DATE: 90012, 2008 | Bracker Dy |
|-----------------------------|----------------------------|
| •• | BRADLEY TEEGARDEN |
| | |
| State of California |) . |
| County of San Dilla |) |
| On Nov 12 . 7.009 hefore me | Tules Booth, Notara Public |

personally appeared

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

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

WITNESS my hand and official seal.

Signature of Notary Public

TYLER BOOTH
Commission # 1740968
Notary Public - California
San Diego County
My Comm. Expires Apr 22, 2011

DATE: 1/16/2009

DENNIS CHAPMAN

State of California

County of San Miego

On Jan. 16, 2009 personally appeared

before me, Jay Jchlam

Dennis Chapman,

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 of Notary Public

PATENT

REEL: 039434 FRAME: 0253

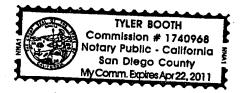
| DATE: 11-14-2008 | JUYI CHOI |
|---|----------------------------|
| State of California | |
| State of California County of San Dily |)) |
| On Nov 14, 2008 before me, | Tylu Booth, Notary Public, |

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 of Notary Public



PATENT REEL: 039434 FRAME: 0254

DATE: Nov 12, 2008

KONRAD FEICHTINGER

State of California

County of Sun Diego

County of Sun Diego

County Of Sun Diego

On Nov 12, 2008 before me, Tyw Booth, Notwy Public personally appeared Konrad Feichtinger,

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 of Notary Public

TYLER BOOTH
Commission # 1740968
Notary Public - California
San Diego County
My Comm. Expires Apr 22, 2011

State of California

County of San Diago

On NOV 12, 2008

Tyler Booth, Notary Public,

personally appeared

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

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

WITNESS my hand and official seal.

Signature of Notary Public

TYLER BOOTH Commission # 1740968 lotary Public - California San Diego County My Comm. Expires Apr 22, 2011

| DATE: // WOV 2008 | |
|--|---|
| | HONNAPPA JAYAKUMAR |
| | |
| State of California |) |
| County of San Dillo | |
| On Nov 11, 2009 before personally appeared | ore me, Tyler Booth, Notory Public, Honnappa Jayakumar, |
| | 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 of Notary Public |

TYLER BOOTH
Commission # 1740968
Notary Public - California
San Diego County
MyComm. Expires Apr 22, 2011

DATE: 11/11/2008

THUY-ANH TRAN

State of California

County of San Digo

On Nov 11, 2008 personally appeared

before me, Tyler Booth, Notay Public

Thuy-Anh Tran,

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 of Notary Public

TYLER BOOTH
Commission # 1740968
Notary Public - California
San Diego County
MyComm. Expires Apr22, 2011

| DATE: NUV. 17th, 2W8 | JINGDONG XX |
|--|--------------------------------|
| State of California |) |
| County of San Digo |) |
| On Nov 17, 208 before me personally appeared Jir | e, Tyler Booth, Notery Public, |

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 of Notary Public

TYLER BOOTH
Commission # 1740968
Notary Public - California
San Diego County
My Comm. Expires Apr 22, 2011

PATENT REEL: 039434 FRAME: 0259

DATE: 1/11/2008

NING ZOU

State of California

County of San Diego

On Nou 11, 2008
personally appeared

_ before me, _

Tyler Booth, Notary Public

Ning Zou,

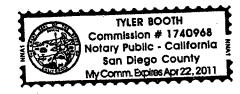
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), 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 of Notary Public

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PATENT REEL: 039434 FRAME: 0260

RECORDED: 08/15/2016