505283193 01/17/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Zezhi Jesse Shao	04/23/2013
Anthony C. Blackburn	04/24/2013
Andrew J. Grottick	04/26/2013
Michael E. Morgan	04/23/2013
Jaimie Karyn Rueter	04/26/2013
Anna Shifrina	04/19/2013
Scott Stirn	06/19/2013
Libo Yang	05/11/2013
Woo Hyun Yoon	04/23/2013

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:	16241337

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: +1 (212) 641-2296

Email: apsi@fr.com

JUSTIN E. SEARS Correspondent Name:

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

MINNEAPOLIS, MINNESOTA 55440-1022 Address Line 4:

ATTORNEY DOCKET NUMBER: 44528-0005003 BELV-178-C5 SUZANNE C. O'NEILL NAME OF SUBMITTER:

PAIENI REEL: 048045 FRAME: 0042 505283193

SIGNATURE:	/Suzanne C. O'Neill/
DATE SIGNED:	01/17/2019
Total Attachments: 10	
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PATENT REEL: 048045 FRAME: 0043

ASSIGNMENT

For valuable consideration, we, Zezhi Jesse SHAO, of 11356 Saddle Cove Lane, San Diego, California 92130; Anthony C. BLACKBURN, of 12633 Caminito Rosita, San Diego, California 92128; Andrew J. GROTTICK, of 1112 Paseo Entrada, Chula Vista, California 91910; Michael MORGAN, of 11746 Candy Rose Way, San Diego, California 92131; Jaimie Karyn RUETER, of 9022 Westvale Road, San Diego, California 92129; Anna SHIFRINA, of 11957 Miro Circle, San Diego, California 92131; Scott STIRN, of 14710 Carmel Ridge Road, San Diego, California 92128; Libo YANG, of 3455 Lebon Drive, No. 1513, San Diego, California 92122; and Woo Hyun YOON, of 17076 Silver Pine Road, San Diego, California 92127; hereby assign to: Arena Pharmaceuticals, Inc., a Delaware corporation having a place of business at: 6154 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 the subject of U.S. Patent Application Number 13/820,107 entitled MODIFIED-RELEASE DOSAGE FORMS OF 5-HT2C AGONISTS USEFUL FOR WEIGHT MANAGEMENT filed on February 28, 2013; 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 all treaties; and we hereby confirm our prior authorization of the Assignee, to apply in all countries in our names 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.

Assignment Page 1 of 10

DATE: 23 Apr 2013	Zezhi Jesse SHAO
State of California)
County of San Dirgo	
On 04 23 2013 before me, personally appeared Zezhi Jesse SHAO	Tyler Booth, Notary Public,

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

DATE: 24-Apr-13	Anthony C. Blacklu Anthony G. BLACKBURN	
State of California	3	
County of San Digo)	
On 04/24/2013 before me,	TylerBooth, Notary Public,	•

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

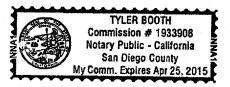
WITNESS my hand and official seal.

DATE: 84.26.13.		
	Andrew J. GROTTICK	
State of California)	
)	
County of <u>500 1.690</u> On 04/26/2013 be)	
On 04 26 2013 be	fore me, Tyler Booth, Notzy Public	,
nersonally appeared Andrew J. C	ROTTICK	

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



DATE: 23 4pr 13	Michael MORGAN	
State of California	}	
County of		
On 04/23/20(3 before me, personally appeared Michael MORGAN	Tyler Booth, Notzy Rub	lic,

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

DATE:	Jaimie Karyn RUETER
State of California)
County of <u>Gan Dilapo</u>	
On 04 26 2013 before me, personally appeared Jaimie Karyn RUETER	Tyler Booth. Notary Public,

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

DATE:	Anna SHIFRINA
State of California)
County of <u>San Diego</u>	
On 04 10 2013 before me,	TylerBooth, Notary Public,

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

DATE: 500 19, 7013	Scott STIRN
State of California	
County of SAN DIEGO	
On June 19, 2013 before me, personally appeared Scott STIRN	SHOLITA PACKER, NOTANY RUBLIC,



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

DATE: 11 May 2013	Libo YANG	
State of California)	
County of 5AU MAZK.)	
On <u>Sirij</u> before me, personally appeared Libo YANG	Shooling Shell, N	LUZDA POBLL

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

SHASHI SHETH
Commission # 1870303
Notary Public - California
San Mateo County
My Comm. Expires Nov 30, 2013

DATE: 4/23/13	Woo Hyun YOON
State of California)
County of San Diego	
On 04 23 2003 before me,	Tyle Booth, Noten Public,

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