503936781 07/28/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT3983435

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NEEL K. ANAND	07/26/2016
FRANCO J. DUARTE	07/27/2016
WEN ZHANG	07/26/2016

RECEIVING PARTY DATA

Name:	NEKTAR THERAPEUTICS	
Street Address: 455 MISSION BAY BOULEVARD SOUTH		
Internal Address:	SUITE 100	
City:	SAN FRANCISCO	
State/Country:	CALIFORNIA	
Postal Code:	94158	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14900039

CORRESPONDENCE DATA

Fax Number: (415)339-5323

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.

atran@nektar.com Email:

Correspondent Name: **NEKTAR THERAPEUTICS**

Address Line 1: 455 MISSION BAY BOULEVARD SOUTH

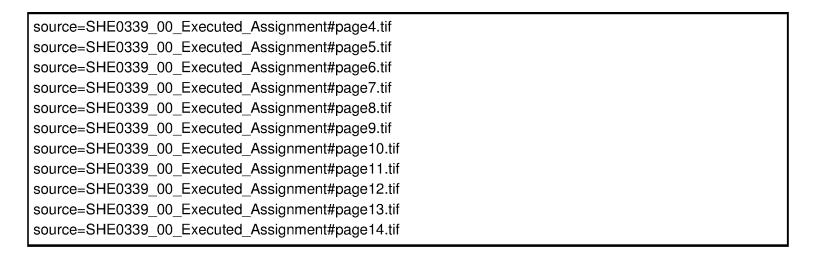
Address Line 2: SUITE 100

Address Line 4: SAN FRANCISCO, CALIFORNIA 94158

ATTORNEY DOCKET NUMBER:	SHE0339.00
NAME OF SUBMITTER:	DJANGO H. ANDREWS
SIGNATURE:	/DHAndrewsREG67005/
DATE SIGNED:	07/28/2016

Total Attachments: 14

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ASSIGNMENT

WHEREAS, We, <u>NEEL K. ANAND, FRANCO J. DUARTE, WEN ZHANG, and</u> <u>ZHONGXU REN</u>, hereinafter referred to as ASSIGNORS, have invented a new and unobvious invention entitled:

KAPPA OPIOID AGONISTS AND USES THEREOF

for which application for Letters Patent of the United States is identified by U. S. Application No. 14/900,039, having a filing date of 18 December 2015; and

WHEREAS, <u>NEKTAR THERAPEUTICS</u>, a Delaware corporation having a place of business at <u>455 Mission Bay Boulevard South</u>, <u>Suite 100</u>, <u>San Francisco</u>, <u>California 94158</u>, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in and to said application and said invention, in and to any and all improvements relating to said invention, and in and to Letters Patent thereon, when granted in the United States and all foreign countries; and

WHEREAS, ASSIGNORS acknowledge that pursuant to their employment agreements and the terms of this instrument, they are under a continuing obligation to assign all right, title and interest in, to and under the invention which is the subject of the referred-to application for Letters Patent and any improvements thereof and all divisions, continuations and continuations-in-part thereof, to **NEKTAR THERAPEUTICS**, its successors, legal representatives and assigns in accordance with this instrument;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS:

Neel K. Anand 542 Barneson Avenue San Mateo, California 94402

Franco J. Duarte 15 Mateo Avenue, #2 Millbrae, California 94030

Wen Zhang 2240 Bayleaf Drive San Ramon, California 94582

Zhongxu Ren 1301 Ribbon Street Foster City, California 94404

- 1. ASSIGNORS hereby sell, assign, transfer and convey unto ASSIGNEE, the entire right, title and interest in and to said application and said invention and improvements; including all priority rights under the International Convention associated with the filing of said application, for each country of the Union; and in and to any and all Letters Patent on said invention and improvements that may be granted by the United States or any foreign countries, including each and every Letters Patent granted on any application which is a division, substitution, continuation or continuation-in-part of any application relating to said invention or improvements, and in and to each and every reissue or extension of said Letters Patent.
- 2. ASSIGNORS hereby warrant, covenant and represent the fact to be that they have not theretofore granted any license, right or privilege in respect to the said application or said invention or improvements, or in any other way encumbered the same, and that they have the full right to convey, free of all licenses and encumbrances, the entire interest hereby assigned.
- 3. ASSIGNORS covenant and agree that at the request and expense of ASSIGNEE they will promptly execute all papers necessary or desirable to perfect ownership of said invention, improvements, applications or said Letters Patent in ASSIGNEE, and execute all oaths and other papers necessary or desirable for prosecuting said application, for use in interference proceedings involving said invention or improvements, for refiling said applications, for filing of said divisional, substitution, continuation or continuation-in-part applications covering said invention or improvements which are deemed necessary or desirable by ASSIGNEE, for reissuance of said Letters Patent, or for the filing of foreign countries of applications for Letters Patent conferring said invention or improvements.

ASSIGNORS further covenant and agree that at the expense and request of ASSIGNEE they will promptly assist ASSIGNEE in proceedings involving said invention or improvements (including but not limited to post-grant proceedings, interference proceedings, and opposition or cancellation proceedings), and in litigation involving said Letters Patent, and will assist in the ascertainment of facts and the production of evidence relating to said invention or improvements.

- 4. The terms, covenants and provisions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other, legal representatives, and shall be binding upon ASSIGNORS, their heirs, legal representatives and assigns.
 - 5. ASSIGNORS hereby authorize and request the COMMISSIONER FOR

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PATEN	ΓS to	issue the	United	States	Letters	Patent	on their	invention.	when	granted.	unto
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NEKTAR THERAPEUTICS

its successors, assigns and other legal representatives in accordance with this agreement.

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IN TESTIMONY WHEREOF, I, NEEL K. ANAND , HAVE EXECUTED AND DELIVERED
THIS INSTRUMENT THIS 26 DAY OF July, 2016.
Neel And
Neel K. Anand
A notony public on other officer complete this wife to the first of the control o
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
STATE OF California
County of San Francisco
On 7/26/2016 before me, Kathy E Honnert, Notary Public Name and Title of the Officer
On 1/26/2016 before me, Rathy E Honnert, Molary 1, ub 12
personally appeared Neel L anand
Name(s) of Signer(s)
,
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 Kathy & Homest KATHY & HOWER
Signature of Notary Public Commission # 2103348 Notary Public - California
My Comm. Expires Apr 12, 2019

DELIVERED THIS INSTRUMENT THIS	DAY OF	, 2016.
	Franco J. Duarte	
A notary public or other officer completing this certificate the document to which this certificate is attached, and not		
STATE OF		
County of		
On before me,		
personally appearedN		
N	ame(s) of Signer(s)	
who proved to me on the basis of satisfactory ev subscribed to the within instrument and acknowlin his/her/their authorized capacity(ies), and that the person(s), or the entity upon behalf of which	edged to me that he/she/the by his/her/their signature(s	ey executed the same s) on the instrument
I certify under PENALTY OF PERJURY under foregoing paragraph is true and correct.	the laws of the State of Cal	lifornia that the
WITNESS my hand and official seal.		
Signature Signature of Notary Public		
Signature of Notary Public		

IN TESTIMONY WHEREOF, I, WEN ZHANG , HAVE EXECUTED AND DELIVERED
THIS INSTRUMENT THIS 26 DAY OF July , 2016.
, 2010:
Wen Zhang
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
STATE OF California
County of San Francisco
On 7/26/2016 before me, Kathy E Honnert Notary Public Name and Title of the Officer personally appeared Wen 3hang Name(s) of Signer(s)
personally appeared Win 3hang
Name(s) of Signer(s)
,
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 Lathy & Honnest Signature of Notary Public KATHY E. HONNERT Commission # 2103348 Notary Public - California San Francisco County My Comm. Expires Apr 12, 2019

IN TESTIMONY WHEREOF, I, ZHONGXU REN , HAVE EXECUTED AND DELIVERED
THIS INSTRUMENT THIS 26th DAY OF July, 2016.
Mongon Ren Zhongxu Ren
Zhôngxu Ren
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.
STATE OF California
County of San Francisco
On 7/26/2016 before me, Kathy E Honner + Notary Published
On 7/26/2016 before me, Kathy E Honnert Notary Public Name and Title of the Officer personally appeared 3hongxu Den Name(s) of Signer(s)
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 Lachy & Horsett Signature of Notary Public KATHY E. HONNERT Commission # 2103348 Notary Public - California San Francisco County My Comm. Expires Apr 12, 2019

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WHEREAS, ASSIGNORS acknowledge that pursuant to their employment agreements and the terms of this instrument, they are under a continuing obligation to assign all right, title and interest in, to and under the invention which is the subject of the referred-to application for Letters Patent and any improvements thereof and all divisions, continuations and continuations-in-part thereof, to **NEKTAR THERAPEUTICS**, its successors, legal representatives and assigns in accordance with this instrument;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and for other good and valuable consideration received by ASSIGNORS from ASSIGNEE, the receipt of which is hereby acknowledged by ASSIGNORS:

Neel K. Anand 542 Barneson Avenue San Mateo, California 94402

Franco J. Duarte

15 Mateo Avenue, #2

Millbrae, California 94030

1235 Arkell Road Walnut Creek, CA 9459B

Wen Zhang 2240 Bayleaf Drive San Ramon, California 94582

1

Zhongxu Ren 1301 Ribbon Street Foster City, California 94404

- 1. ASSIGNORS hereby sell, assign, transfer and convey unto ASSIGNEE, the entire right, title and interest in and to said application and said invention and improvements; including all priority rights under the International Convention associated with the filing of said application, for each country of the Union; and in and to any and all Letters Patent on said invention and improvements that may be granted by the United States or any foreign countries, including each and every Letters Patent granted on any application which is a division, substitution, continuation or continuation-in-part of any application relating to said invention or improvements, and in and to each and every reissue or extension of said Letters Patent.
- 2. ASSIGNORS hereby warrant, covenant and represent the fact to be that they have not theretofore granted any license, right or privilege in respect to the said application or said invention or improvements, or in any other way encumbered the same, and that they have the full right to convey, free of all licenses and encumbrances, the entire interest hereby assigned.
- 3. ASSIGNORS covenant and agree that at the request and expense of ASSIGNEE they will promptly execute all papers necessary or desirable to perfect ownership of said invention, improvements, applications or said Letters Patent in ASSIGNEE, and execute all oaths and other papers necessary or desirable for prosecuting said application, for use in interference proceedings involving said invention or improvements, for refiling said applications, for filing of said divisional, substitution, continuation or continuation-in-part applications covering said invention or improvements which are deemed necessary or desirable by ASSIGNEE, for reissuance of said Letters Patent, or for the filing of foreign countries of applications for Letters Patent conferring said invention or improvements.

ASSIGNORS further covenant and agree that at the expense and request of ASSIGNEE they will promptly assist ASSIGNEE in proceedings involving said invention or improvements (including but not limited to post-grant proceedings, interference proceedings, and opposition or cancellation proceedings), and in litigation involving said Letters Patent, and will assist in the ascertainment of facts and the production of evidence relating to said invention or improvements.

- 4. The terms, covenants and provisions of this assignment shall inure to the benefit of ASSIGNEE, its successors, assigns and other, legal representatives, and shall be binding upon ASSIGNORS, their heirs, legal representatives and assigns.
 - 5. ASSIGNORS hereby authorize and request the COMMISSIONER FOR

PATENTS to issue the United States Letters Patent on their invention, when granted, unto

NEKTAR THERAPEUTICS

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IN TESTIMONY WHEREOF, I, N I	EEL K. ANAND,	HAVE EXECUTED AND DELIVERED
THIS INSTRUMENT THIS	DAY OF	, 2016.
	Ne	eel K. Anand
		only the identity of the individual who signed infulness, accuracy, or validity of that document.
STATE OF		
County of		
		Name and Title of the Officer
Date	,	Name and Title of the Officer
personally appeared		
	Name(s)	of Signer(s)
subscribed to the within instrument a in his/her/their authorized capacity(id	and acknowledged es), and that by his	to be the person(s) whose name(s) is/are to me that he/she/they executed the same /her/their signature(s) on the instrument rson(s) acted, executed the instrument.
I certify under PENALTY OF PERJ foregoing paragraph is true and corre		vs of the State of California that the
WITNESS my hand and official seal		
Signature Signature of Notary Publi		
Signature of Notary Publi	С	

IN TESTIMONY WHEREOF, I, FRANCO J. DO	JARTE, HAVE EXECUTED AND
DELIVERED THIS INSTRUMENT THIS 27	DAY OF July , 2016.
\sim	and another
	Franco J. Duarte
A notary public or other officer completing this certificate v the document to which this certificate is attached, and not the	erifies only the identity of the individual who signed e truthfulness, accuracy, or validity of that document.
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On before me,	Name and Title of the Officer
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who proved to me on the basis of satisfactory evid subscribed to the within instrument and acknowled in his/her/their authorized capacity(ies), and that be the person(s), or the entity upon behalf of which the	lged to me that he/she/they executed the same y his/her/their signature(s) on the instrument
I certify under PENALTY OF PERJURY under the foregoing paragraph is true and correct.	e laws of the State of California that the
WITNESS my hand and official seal.	
SignatureSignature of Notary Public	
Signature of Notary Public	

	DAY OF	, 2016.	
	Wen Zhang		
A notary public or other officer completing the document to which this certificate is at	g this certificate verifies only ttached, and not the truthfulne	the identity of the individual who signed ss, accuracy, or validity of that document.	
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THIS INSTRUMENT THIS	DAY OF	, 2016.	
	Zhongxu Ren		
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County of			
On	_ before me,	Name and Title of the Officer	
personally appeared	Name(s)	of Signer(s)	
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I certify under PENALTY OF PER foregoing paragraph is true and corr		vs of the State of California that the	
WITNESS my hand and official sea	al.		
SignatureSignature of Notary Pub	lic		

PATENT

REEL: 039284 FRAME: 0916

RECORDED: 07/28/2016