504244971 02/24/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4291649

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
JUNMING YIE		01/31/2017
DONGHUI SHI		01/26/2017
DAVID J. LLOYD		01/26/2017
JINGHONG WANG		01/30/2017
GLENN N. SIVITS, JR.		01/26/2017
MURIELLE M. VENIANT-ELLISON	١	01/26/2017
RENEE KOMOROWSKI		01/26/2017
NEERAJ AGRAWAL		01/26/2017
DARREN L. BATES		01/26/2017
BRANDON C. P. CLAVETTE		02/15/2017
IAN N. FOLTZ		01/26/2017
SHU-YIN HO		01/26/2017
CHRISTOPHER MURAWSKY		01/26/2017
XIAOSHAN MIN		01/27/2017
ZHULUN WANG		01/27/2017
		•

RECEIVING PARTY DATA

Name:	AMGEN INC.
Street Address:	ONE AMGEN CENTER DRIVE
City:	THOUSAND OAKS
State/Country:	CALIFORNIA
Postal Code:	91320-1799

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15387542

CORRESPONDENCE DATA

Fax Number:

(805)499-8011

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: 805-447-1394

Email:	sharo	ne@amgen.com
Correspondent Name:	AMG	EN INC.
Address Line 1:	ONE	AMGEN CENTER DRIVE
Address Line 2:	PATE	NT OPERATIONS / 28-2-C / JMD
Address Line 4:	THOU	JSAND OAKS, CALIFORNIA 91320-1799
ATTORNEY DOCKET NUMBER		A-2029-US-NP
NAME OF SUBMITTER:		SHARON EDINGTON
SIGNATURE:		/Sharon Edington/
DATE SIGNED:		02/24/2017
Total Attachments: 18		
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ASSIGNMENT

Whereas, I/we, Junming YIE, 4 Sugarwood Way, Warren, NJ 07059 USA

Donghui SHI, 3198 Rickey Court, Thousand Oaks, CA 91362 USA

David J. LLOYD, 458 Via Gregorio, Thousand Oaks, CA 91320 USA

Jinghong WANG, 1540 Escobita Avenue, Palo Alto, CA 94306 USA

Glenn N. SIVITS, Jr., 1347 Alessandro Drive, Newbury Park, CA 91320 USA

Murielle M. VENIANT-ELLISON, 645 Camino Manzanas, Thousand Oaks, CA 91360 USA

Renee KOMOROWSKI, 370 Chapel Drive, Ventura, CA 93003 USA

Neeraj AGRAWAL, 1610 Camino Olmo, Apt. K, Thousand Oaks, CA 91320 USA

Darren L. BATES, 238 Saint Croix Court, Oak Park, CA 91377 USA

Brandon C. P. CLAVETTE, 3487 Princeton Avenue, Coquitlam, BC, V3E 0K5 Canada

Ian N. FOLTZ, 2108 Knightswood Place, Burnaby, BC, V5A 4B9 Canada

Shu-yin HO, 472 Cosmos Court, Thousand Oaks, CA 91360 USA

Christopher MURAWSKY, 1141 Edmonds Road, Roberts Creek, BC V0N 2W0 Canada

Xiaoshan MIN, 1900 Davis Drive, Burlingame, CA 94010 USA

Zhulun WANG, 660 Glenbrook Drive, Palo Alto, CA 94306 USA

(hereinafter referred to as ASSIGNOR), have made an invention which is the subject of an application for Letters Patent of the United States; and/or is the subject of a provisional application; and/or is the subject of an international application; and/or is the subject of other patent application(s) in other jurisdictions worldwide ("Application") entitled

METHOD OF TREATING OR AMELIORATING METABOLIC DISORDERS USING BINDING PROTEINS FOR GASTRIC INHIBITORY PEPTIDE RECEPTOR (GIPR) IN COMBINATION WITH GLP-1 AGONISTS

which is found in:

US Application Serial No. <u>15/387,542</u> filed <u>December 21, 2016</u>; which claims the benefit of U.S. Provisional Application No. <u>62/420,415</u>, filed <u>November 10, 2016</u>; U.S. Provisional Application No. <u>62/337,799</u>, filed May 17, 2016; and U.S. Provisional Application No. <u>62/387,486</u>, filed December 23, 2015.

1

Whereas AMGEN INC., a Delaware corporation having its principal place of business at One Amgen Center Drive, Thousand Oaks, California 91320-1799 wishes to acquire the entire right, title, and interest in all inventions disclosed in such Application;

Now, therefore, in consideration of the sum of one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto AMGEN INC., its successors and assigns (collectively "ASSIGNEE") ASSIGNOR'S entire right, title and interest in, to and under the Application, and any provisional application(s) from which Application is derived, and all priority rights to which the Application may be entitled, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries which may be granted for such inventions, or any of them, including divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications based on the above identified Application, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by ASSIGNEE for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, and any extensions thereof, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made.

Further, ASSIGNOR hereby sells, assigns, transfers, and sets over unto ASSIGNEE ASSIGNOR'S entire right, title and interest in or to the right to refer to, to access, and to control microorganism(s) or other biological material(s) related to the Application and which are deposited by ASSIGNOR or at ASSIGNOR'S direction or deposited on ASSIGNOR'S behalf by ASSIGNEE, its affiliates, employees, or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, ASSIGNOR'S unreserved and irrevocable consent and authorization to ASSIGNEE to refer to the deposited microorganism(s) or other biological material(s) in the Application and the right to make available to the public the deposited material in accordance with the laws, treaties, statutes, rules, regulations and the like of the United States, all other countries, and any patent granting authority or organization.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any foreign Patent Office authority to issue any such Letters Patent which may be granted on the Application to ASSIGNEE as assignee of the entire right, title and interest therein and thereto.

For ASSIGNOR and for ASSIGNOR'S legal representatives, ASSIGNOR covenants and agrees with ASSIGNEE that ASSIGNOR has not granted to any others any license to make, use or sell any of such inventions, that ASSIGNOR'S right, title and interest in such inventions has not been encumbered, that ASSIGNOR has good right and title to sell and assign the same, and that ASSIGNOR will not execute any instrument in conflict herewith.

For ASSIGNOR and for ASSIGNOR'S heirs, successors and legal representatives, ASSIGNOR further covenants and agrees with ASSIGNEE that upon request ASSIGNOR and ASSIGNOR'S heirs, successors and legal representatives will: (i) execute continuing, divisional, substitute, reexamination, and/or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to ASSIGNEE any facts known to ASSIGNOR or ASSIGNOR'S heirs, successors and legal representatives relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigation; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for ASSIGNEE, may be necessary or desirable to secure the grant of Letters Patent to ASSIGNEE or its nominees, in the United States and in all other countries where ASSIGNEE may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by counsel for ASSIGNEE and to vest and confirm in ASSIGNEE or its nominees the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid at the expense of ASSIGNEE.

DECLARATION OF ACCEPTANCE

On behalf of Assignee,

Stuart L. Watt Name

Vice President, Law and Intellectual Property Officer

Title

hereby confirms Assignee's acceptance.

Feb. 21, 2017

Date

thathlight

Signature

In Witness Whereof I have executed this	s assignment on $\frac{\int a x x a y 3}{(Month, Day)} 20 \frac{17}{(Year)}$.
Junming YIE (Name of Inventor)	(Signature of Inventor)
UNITED	STATES OF AMERICA
State/Commonwealth of <u>New</u> County of <u>Union</u>	Jersey } ss.
On this the <u>3/</u> day of <u></u> <u>Apay</u> <u>A</u> <u>Gasta</u> <u>Name of Notary Public</u>	Anuary, <u>2017</u> , before me, Month Year , the undersigned Notary Public,
personally appeared <u>Junming YIE</u>	Name(s) of Signers(s)
	\Box personally known to me – OR –
	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 for the purposes therein stated.
CYNTHIA M GASTON NOTARY PUBLIC STATE OF NEW JERSEY MY COMMISSION EXPIRES Mar 14, 2021 ID # 2405635	WITNESS my hand and official seal.
10 N 200000	Anthia M. Gaston
Place Notary Seal/Stamp Above	Any other Required Information (Printed Name of Notary, Expiration Date, etc.)

In Witness Whereof I have executed	this assignment on	Jag. 76	20 7.
······································		(Month, Day)	(Year)
		and the second sec	
Donghui SHI	······································	and the second se	<u>х</u>
(Name of Inventor)		(Signature of Inv	entor)
A notary public or other officer completing signed the document to which this certificat document.			
State of California			
County of <u>Ventura</u>			
On 1/26/2017	before me, <u>N. J. D</u>	liamond	
Notary Public, personally appeared			
	Donghui SHI		
N. J. DIAMOND Commission # 2115562 Notary Public - Calitornia Ventura County My Comm. Expires Jun 14, 2019	to be the person the within instru- she/they execute capacity(ies), ar the instrument t of which the per I certify under	ne on the basis of satisfa (s) whose name(s) is/ar ment and acknowledged ed the same in his/her/their he person(s), or the ent son(s) acted, executed the PENALTY OF PERJU ate of California that e and correct.	e subscribed t d to me that he heir authorize signature(s) o ity upon beha he instrument.
	WITNESS my h	and and official seal.	

In Witness Whereof I have executed th	is assignment on	1/26	20 /7 .
		(Month, Day)	(Year)
David J. LLOYD (Name of Inventor)		(Signature of Inv	entor)
A notary public or other officer completing signed the document to which this certificate document.			
State of California			
County of <u>Ventura</u>			
On 1/26/2017	before me, <u>N. J. Dia</u>	mond	,
Notary Public, personally appeared			
	David J. LLOYD		
N. J. DIAMOND Commission # 2115562 Notary Public - California Ventura County Wy Comm. Expires Jun 14, 2019	to be the person(s the within instrum she/they executed capacity(ies), and the instrument the	on the basis of satisfa) whose name(s) is/ar- ent and acknowledged the same in his/her/t that by his/her/their person(s), or the enti- on(s) acted, executed the	e subscribed to I to me that he/ heir authorized signature(s) on ity upon behalf
		ENALTY OF PERJU e of California that and correct.	
	WITNESS my ha	nd and official seal.	
Place Notary Seal Above	Signature:	auguer all	

Jinghong WANG (Name of Inventor) (Signature of Inventor) 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 Mates Joan R On Jan. 30. 2017 before me. Notary Public, personally appeared Jinghong WANG who proved to me on the basis of satisfactory evidence

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.

TERRIE JOAN RAU Commission # 2144457 Notary Public - Csilifornis San Mateo County My Comm. Expires Feb 28, 2020

Place Notary Seal Above

Signature: Juli Joan 6

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In Witness Whereof I have executed t	his assignment on	(Month, Day)	20(7, (Year)
Glenn N. SIVITS, Jr. (Name of Inventor)	ŝ	(Signature of Inv	entor)
A notary public or other officer completing signed the document to which this certificat document.			
State of California			
County of <u>Ventura</u>			
0n_1/02/02/07	_before me, <u>N. J.</u>	Diamond	2
Notary Public, personally appeared			
	Glenn N. SIVITS	, Jr.	
N. J. DIAMOND Commission # 2115562 Notary Public - California Ventura County My Comm. Expires Jun 14, 2019	to be the perso the within inst she/they exect capacity(ies), the instrument of which the p I certify unde laws of the	o me on the basis of satisfa on(s) whose name(s) is/ar rument and acknowledged ated the same in his/her/t and that by his/her/their t the person(s), or the enti- erson(s) acted, executed the er PENALTY OF PERJU State of California that ue and correct.	e subscribed to d to me that he/ heir authorized signature(s) on ity upon behalf he instrument.
	WITNESS my	hand and official seal.	
Place Notary Seal Above	Signature:	amente, f.M	

In Witness Whercof I have executed this assignment on	$\underbrace{0 \left[\frac{1}{20} \right]}_{\text{(Month, Day)}} 20 \underbrace{17}_{\text{(Year)}}.$
Murielle M. VENIANT-ELLISON (Name of Inventor)	Kuille Veni auf Elisa. (Signature of Inventor)
A notary public or other officer completing this certificate verific signed the document to which this certificate is attached, and not document.	
State of California County of <u>Ventura</u>	
On $\frac{1}{1}$ before me, N. J Notary Public, personally appeared	. Diamond,
Murielle M. VENIANT	-ELLISON

-		<u>a</u>
ŝ		N. J. DIAMOND
1	17753	Commission # 2115562
8		Notary Public - California
ž	(Ula P)	Mantura Causta
2		My Comm. Expires Jun 14, 2019
X	and and a second second	And a second

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: <u>M. D. annon</u>

Place Notary Seal Above

In Witness Whereof I have executed thi	s assignment on	<u> </u>	(<u></u>
Renee KOMOROWSKI (Name of Inventor)		signature of Inve	entor)
A notary public or other officer completing th signed the document to which this certificate i document.	is certificate verifies of attached, and not the	only the identity of the individ e truthfulness, accuracy, or va	ual who lidity of that
State of California County of <u>Ventura</u>			
On 1/26/2017 I Notary Public, personally appeared	pefore me, <u>N. J. I</u>	Diamond	,»
Re	nee KOMOROW	SKI	
N. J. DIAMOND	to be the person the within instru- she/they execut	ne on the basis of satisfac n(s) whose name(s) is/are ment and acknowledged ed the same in his/her/th nd that by his/her/their s	subscribed to to me that he/ eir authorized

Commission # 2115562 WANNA 184 Notary Public - California Ventura County My Comm. Expires Jun 14, 2019

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: 1.011

Place Notary Scal Above

In Witness Whereof I have executed	this assignment on	<u>ුරු වූලි</u> (Month, Day)	20 <u>\</u> (Year
Neeraj AGRAWAL		(Monui, Day)	× .
(Name of Inventor)		(Signature of Inve	ntor)
A notary public or other officer completing signed the document to which this certifice document. State of California County of <u>Ventura</u>	g this certificate verifies or ate is attached, and not the	ily the identity of the individu truthfulness, accuracy, or val	al who idity of that
On <u> </u>	before me, <u>N. J. Di</u>	amond	
·	Neeraj AGRAWAL		
N. J. DIAMOND Commission # 2115562 Notary Public - California Ventura County My Comm. Expires Jun 14, 2019	to be the person(the within instru- she/they executed capacity(ies), and the instrument th of which the pers	e on the basis of satisfac s) whose name(s) is/are nent and acknowledged d the same in his/her/th l that by his/her/their si e person(s), or the entity on(s) acted, executed the PENALTY OF PERJUI	subscribed to to me that he eir authorize ignature(s) o y upon beha e instrument.
	·••	te of California that t	
	WITNESS my ha	ind and official seal.	
Place Notary Seal Above	Signature:	conness I. J.	Canal Canal

In Witness Whereof I have executed this assignment on (Month, Day) Darren L. BATES (Name of Inventor) (Signature of Inventor) 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 Ventura 19619013 On before me, N. J. Diamond Notary Public, personally appeared Darren L. BATES 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 N. J. DIAMONO Commission # 2115562 the instrument the person(s), or the entity upon behalf Notary Public - California Ventura County of which the person(s) acted, executed the instrument. My Comm. Expires Jug 14, 2019 I certify under PENALTY OF PERJURY under the N. J. DIAMOND laws of the State of California that the foregoing Commission # 2115562 Notary Public - California paragraph is true and correct. Ventura County Comm. Expires Jun 14, 2019 WITNESS my hand and official seal.

Signature:

In Witness Whereof I have executed this assig	nment on <u>February</u> , 20 <u>17</u> . (Month, Day) (Year)
Brandon C. P. CLAVETTE	Bouch At-
(Name of Inventor)	(Signature of Inventor)
Place of Execution: Variouver	, Be Canado.
Witness 1:	<u>Witness 2</u> :
Signature:	Signature: ABC.
Date: F26 15, 2017	Date: Feb 20, 2017
Name: Sukhby Kong	Name: Stuart Barnscler
Address: 10567 Freierglen Drive	Address: <u>3E-199 Danke st.</u>
City: <u>Survey</u> BC	City: <u>Vancouver</u> , BC
Country: <u>Canada</u>	Country: Carada

 \mathbf{x}

In Witness Whereof I have executed this assi	ignment on <u>Sau Z6</u> , 20 <u>17</u> . (Month, Day) (Year)
lan N. FOLTZ (Name of Inventor)	(Signature of Inventor)
Place of Execution: <u>BURNABY</u>	BC
Witness 1:	Witness 2:
Signature:	Signature:
Date: January 26, 2017	Date: 26 January 2017
Name: CHRISTIPHER M. MURAWSKY	Name: Palaniswami RATHANASWAME
Address: 1441 EDMONDS ROAD.	Address: 7878 French Strept
City: LOBERTS CREEK	city: Vancouver BC
Country: CANADA	_ Country: Canada

In Witness Whereof I have executed thi	s assignment on	1/26 (Month, Day)	20 <u>1 /7</u> . (Year)
Shu-yin HO			
(Name of Inventor)		(Signature of Inver	itor)
A notary public or other officer completing th signed the document to which this certificate i document.	is certificate verifies on is attached, and not the i	ly the identity of the individu ruthfulness, accuracy, or vali	al who dity of that
State of California County of <u>Ventura</u>			
	before me, <u>N. J. Di</u>	amond	
Notary Public, personally appeared	Shu-yin HO		
N. J. DIAMOND Commission # 2115562 Notary Public - California Ventura County My Comm. Expires Jun 14, 2019	to be the person(s the within instrum she/they executed capacity(ies), and the instrument the of which the perso	e on the basis of satisfact s) whose name(s) is/are nent and acknowledged t l the same in his/her/the l that by his/her/their sig e person(s), or the entity on(s) acted, executed the	subscribed to to me that he/ eir authorized gnature(s) on / upon behalf instrument.
	*	ENALTY OF PERJUR te of California that the and correct.	

WITNESS my hand and official seal.

Signature: and and a start and

Place Notary Seal Above

In Witness Whereof I have executed this assign	ment on $01, 26, 2017$. (Month, Day) (Year)
Christopher MURAWSKY (Name of Inventor)	(Signature of Inventor)
Place of Execution: <u>BURNABY</u>	BRITISH COLUMBIA, CANADA.
<u>Witness 1</u> :	Witness 2:
Signature: And Clin Chin	Signature: <u>Resmlim</u>
Date: Jan 26th, 2017	Date: JAN 26, 2017
Name: Meiben Claire Chen	Name:OESIREE LIM
Address: 4069 west Zoch Ave	Address: 742 CLEAR WATER WAY
City: Vancouver, BC	City: <u>COQUITLAM, BC</u>
Country: <u>Canada</u>	Country: CANADA

January In Witness Whereof I have executed this assignment on (Month, Day Xiaoshan MIN (Name of Inventor) (Signature of Inventor) 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 Mateo On Jan. 27. 2017 before me,_ Lau. 1-enrie NOCA Notary Public, personally appeared Xiaoshan MIN 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 TERRIE JOAN RAU paragraph is true and correct. Commission # 2144457 Notary Public - California San Mateo County WITNESS my hand and official seal, My Comm. Expires Feb 28, 2020

Place Notary Seal Above

Lerui Joan Signature:

17

In Witness Whereof I have executed this assignment on (Month, Day) Zhulun WANG (Name of Inventor) (Signature of Inventor) 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 Ma: before me. Jerrie Joan Kau. On Jan, 27,2017 Notary Public, personally appeared Zhulun WANG 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 TERRIE JOAN RAU paragraph is true and correct. Commission # 2144457 Notery Public - California San Mateo County WITNESS my hand and official seal. My Comm. Expires Feb 28, 2020 Terri Joan 1

Place Notary Seal Above

RECORDED: 02/24/2017

PATENT REEL: 041376 FRAME: 0149

18

Signature: