506116088 06/19/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6162812

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DINGJIANG LIU	10/03/2012
HOLLY ZHUOHONG HUANG	10/02/2012
DAVID ANDREW MARTIN	10/15/2012
CHRISTOPHER BOYD RUSSELL	10/03/2012
DAVID H. SALINGER	10/10/2012
SCOTT WALTER BAUMGARTNER	10/09/2012
CHRISTOPHER J. ENDRES	10/03/2012

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16053564

CORRESPONDENCE DATA

Fax Number: (608)662-1276

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: 6086621277

Email: maschur@casimirjones.com

Correspondent Name: MELISSA E. KOLOM **Address Line 1:** 2275 DEMING WAY

Address Line 2: SUITE #310

Address Line 4: MIDDLETON, WISCONSIN 53562

ATTORNEY DOCKET NUMBER:	MEDIM-36253.305
NAME OF SUBMITTER:	MELISSA E. KOLOM
SIGNATURE:	/Melissa E. Kolom/

DATE SIGNED: Total Attachments: 18 source=assignment-Inventors-Amgen-USPTO-1#page1.tif source=assignment-Inventors-Amgen-USPTO-1#page2.tif source=assignment-Inventors-Amgen-USPTO-1#page3.tif source=assignment-Inventors-Amgen-USPTO-1#page4.tif source=assignment-Inventors-Amgen-USPTO-1#page5.tif source=assignment-Inventors-Amgen-USPTO-1#page6.tif source=assignment-Inventors-Amgen-USPTO-1#page7.tif source=assignment-Inventors-Amgen-USPTO-1#page8.tif

ASSIGNMENT

Whereas, I/we,	Dingjiang Liu, residing at 766 Bellagio Court, Oak Park, California 91377, USA
	Holly Zhuohong Huang, residing at 1792 Amarelle Street, Thousand Oaks, California 91320, USA
	David Andrew Martin, residing at 6515 20 th Avenue NE, Seattle, Washington 98115, USA
	Christopher Boyd Russell, residing at 3570 Crystal Springs Dr. NE, Bainbridge Island, Washington 98110, USA
.,	David H. Salinger, residing at 6234 29th Avenue NE, Seattle, Washington 98115, USA
~	Scott Walter Baumgartner, 2454 Manchester Ave., Cardiff By The Sea, California 92007, USA
	Christopher J. Endres, 3258 NW Market Street, Seattle, Washington 98107, 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

ANTIBODY FORMULATION AND THERAPEUTIC REGIMENS

which is found in:

US Application Serial No. <u>13/521,999</u>; which is the US national stage entry of International Application No. <u>PCT/US2011/020985</u> filed January 12, 2011.

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.

in Witness Whereof I	ness Whereof I have executed this assignment on		2012.	
		(Month, Day)	(Year)	
Dingji	ang Liu			
(Name of	Inventor)	(Signature of Inve	entor)	
	UNITED STATES OF A	MERICA		
State of				
State of				
Ôn	before me, a Notary Publ	ic for	County,	
State of	, personally appeared			
	Dingjiang Li	u .		
	the person whose nat and acknowledged t his/her authorized ca	n the basis of satisfactory me is subscribed to the wood me that he/she executa apacity, and that by his/lerson, or the entity upon cuted the instrument.	rithin instrumen ted the same i her signature o	
	WITNESS my hand	and official seal.		
	Notar	y Public		
	Мусс	ommission expires		
			20	

In Witness Whereof I have executed this:	assignment on <u>October 2nd</u> 20 <u>12</u> (Month, Day) (Year)
Holly Zhuohong Huang (Name of Inventor)	July July (Signature of Inventor)
UNITED ST	ATES OF AMERICA
State of California	
County of Ventura ss:	
Hol	y Zhuohong Huang
	who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
MICHELE ISABELLA PERA L Commission # 1882888 Notary Public - California Ventura County My Comm. Explina Dec 3, 2018	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.

4

In Witness Whereof I have executed this assignment on		15/2012 (Month, Day)	20 <u>12</u> . (Year)
David Andrew Martin (Name of Inventor)		(Signature of Inver	ntor)
UNI	TED STATES OF A	MERICA	
State of Washington County of King	\$\$;·		
On <u>(1, 15, 20/2</u> , befor personally appeared			shington,
	David Andrew Mar	tin	
	David Andrew Mart me, and said person instrument and ackr	or have satisfactory evider in is the person who ar acknowledged that (he/sl sowledged it to be (his/ a uses and purposes me	ppeared before ne) signed this her) free and
	WITNESS my hand a	and official seal.	
Notary Public State of Washington NANCI M KERTSON My Appointment Expires Mar 1, 2015	Notary		
	March	1,	2015

In Witness Whereof I have execut		(Month, Da	zrd 2012. (Year)
Christopher Boyd Russe (Name of Inventor)	<u>"</u>	(Signature	of Inventor)
UNIT	ED STATES OF AME	RICA	
State of Washington	'maa'		
County of King	28:		
Before me, a Notary Public in and	for the State of Washing Christopher Boyd Rus		appeared
	me, and said person a instrument and acknowledge	sell is the perso cknowledged the wledged it to	ory evidence that on who appeared before nat (he/she) signed this be (his/her) free and oses mentioned in the
	WITNESS my hand an	d official seal.	
Notary Public State of Washington NANCI M KERTSON My Appointment Expires Mar 1, 2015		グぞうら、≪ nission expires	úls 1012
	March 1	2	2015

In Witness Whereof I have execut	ed this assignment on	Octobes 10 (Month, Day)	20 <u>12</u> . (Year)
David H. Salinger		Buil He	*
(Name of Inventor)		(Signature of Invent	or)
UND	TED STATES OF AM	ERICA	
State of Washington			
County of King	· SS:		
Before me, a Notary Public in and			3 .
	David H. Salinger	,	
	David H. Salinger is and said person ack instrument and ackn	r have satisfactory evider the person who appears knowledged that (he/she owledged it to be (his/ uses and purposes mer	ed before me, e) signed this her) free and
	WITNESS my hand a		
Notary Public State of Washington NANCI M KERTSON Appointment Expires Mar 1, 2015	Notary) My com	Public 10,00 mission expires	734
	March	<u> </u>	2015

In Witness Whereof I have executed this as	signment on		20 <u>12</u> .
		(Month, Day)	(Year)
Scott Walter Baumgartner			
(Name of Inventor)		(Signature of Inver	ntor)
. בירפירג' איפ יופיפינאל צ	reneran elben a bakkak	son a	
Oli Cultura (A	TES OF AMER	K A	
State of California			
County of			
Before me, a Notary Public for	County, State	of California, perso	anally appeared
Scott V	Valter Baumgartne	31	
the perso and ackr his/her a the instru	n whose name is nowledged to me uthorized capacit	basis of satisfactory subscribed to the wi that he/she execute y, and that by his/he or the entity upon the instrument.	thin instrument ed the same in er signature on
		OF PERJURY unc the foregoing parage	
WITNES	S my hand and of	ficial scal.	
	Notary Pub	lic	
	Mycommis	ssion expires	
			20

In Witness Whereof I have execute Christopher J. Endres (Name of Inventor)	ed this assignment on	Oct 3 (Month, Day) (Signature of In	2012. (Year)
UNIT	ED STATES OF AN	IERICA	
State of Washington County of King Before me, a Notary Public in and	ss: for the State of Washi Christopher J. End		cared
Notary Public State of Washington NANCI M KERTSON My Appointment Expires Mar 1, 2015	Christopher J. Endre and said person ac instrument and ack voluntary act for th instrument. WITNESS my hand Notary	Public () 20 Pumission expires	ppeared before me, e/she) signed this (his/her) free and mentioned in the

ASSIGNMENT

Whereas, I/we,	Dingjiang Liu, residing at 766 Bellagio Court, Oak Park, California 91377, USA
	Holly Zhuohong Huang, residing at 1792 Amarelle Street, Thousand Oaks, California 91320, USA
	David Andrew Martin, residing at 6515 20 th Avenue NE, Seattle, Washington 98115, USA
	Christopher Boyd Russell, residing at 3570 Crystal Springs Dr. NE, Bainbridge Island, Washington 98110, USA
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A 1544 HE DOWN

	DOCKET NO.: A-1544-US-PU1
In Witness Whereof I have executed this assignment on	$ \begin{array}{ccc} & 10 & 0 & 3 \\ \hline & (Month, Day) & (Year) \end{array} $
Dingjiang Liu	
(Name of Inventor)	(Signature of Inventor)
UNITED STATES OF A	MERICA
State of <u>NEW YOR /C</u> County of <u>WESTEE</u> ss:	
On <u>(13/08/62 3 20/2)</u> before me, a Notary Publi State of <u>A/F/2) YOCK</u> , personally appeared	ic for Nagyang Sur County, UNTAHST
Dingjiang Li	<u>u</u>
the person whose nat and acknowledged t his/her authorized ca the instrument the pe	n the basis of satisfactory evidence to be me is subscribed to the within instrument to me that he/she executed the same in apacity, and that by his/her signature on erson, or the entity upon behalf of which ceuted the instrument.
WITNESS my hand	as Anoly is Aso
	ommission expires
	ommission expires

MARY PING YUNG LING Notary Public, State of New York No. 31-2437775 Qualified in Westchester County Commission Expires July 31, 20/5

n Witness Whereof I have execut	ed this assignment on		2012.
		(Month, Day)	(Year)
Holly Zhuohong Huang			
(Name of Inventor)		(Signature of Inve	ntor)
UNIT	ED STATES OF AN	IERICA	
State of California	ms č		
County of Ventura	S\$;		
Before me, a Notary Public for V	entura County, State c	of California, personally	appeared
	Holly Zhuohong H	luang	
	the person whose nan and acknowledged to his/her authorized ca	the basis of satisfactory ne is subscribed to the wo me that he/she execut pacity, and that by his/h rson, or the entity upon cuted the instrument.	ithin instrumented the same in the same in the signature of
		ALTY OF PERJURY unather that the foregoing parag	
	WITNESS my hand a	and official seal.	
	Notary	y Public	
	My co	mmission expires	
			20

" " " THE PO TO TOTAL THEY CALL	uted this assignment on _		<u>2012</u> .
		(Month, Day)	(Year)
David Andrew Marti	in		
(Name of Inventor)		(Signature of Inver	ntor)
ÜN	ITED STATES OF AM	ERICA	
State of Washington			
County of King	SS:		
Before me, a Notary Public in a	nd for the State of Washin David Andrew Mar		ed.
	David Andrew Mart me, and said person	or have satisfactory evidence in is the person who a acknowledged that (he/	ppeared before
		owledged it to be (hi c uses and purposes m	s/her) free an
	voluntary act for the	e uses and purposes m	s/her) free an
	voluntary act for the instrument.	e uses and purposes mand official seal.	s/her) free an
	voluntary act for the instrument. WITNESS my hand a Notary	e uses and purposes mand official seal.	s/her) free an

In Witness Whereof I have e	xecuted this assignme	nt on	20 <u>12</u> .
		(Month, Day)	(Year)
Christopher Boyd	Russell		
(Name of Inven	tor)	(Signature of Invent	tor)
	UNITED STATES C	F AMERICA	
State of Washington)		
County of King) 55;		
Before me, a Notary Public i	n and for the State of Christopher B	Washington, personally appeare	đ
	Christopher B me, and said instrument ar	know or have satisfactory evide oyd Russell is the person who a person acknowledged that (he/s id acknowledged it to be (his for the uses and purposes me	ppeared befor he) signed thi /her) free an
	WITNESS my	hand and official seal.	
		Notary Public	
		My commission expires	
		March 1,	2015

In Witness Whereof I have executed t	(Month, Day)	20 <u>12</u> . (Year)
David H. Salinger		
(Name of Inventor)	(Signature of Invento	er)
UNITED	STATES OF AMERICA	
State of Washington		
County of King		
Before me, a Notary Public in and for	the State of Washington, personally appeared	
	David H. Salinger	
D an ir v	certify that I know or have satisfactory evidend be avided. Salinger is the person who appeare and said person acknowledged that (he/she astrument and acknowledged it to be (his/loluntary act for the uses and purposes menustrument.	d before me) signed this ner) free and
Ÿ	VITNESS my hand and official seal.	
	Notary Public	
	My commission expires	
	March 1,	2015

State of California County of Scott Walter Baumgartner WANDA M. ANEAR Commission * 1916321 Notary Public - California State of California Scott Walter Baumgartner Who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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.
State of California County of Section County, State of California, personally appeared Scott Walter Baumgartner WANDA M. ANEAR Commission # 1916321 Notary Public - California San Diego County My Comm Expres Det 10, 2014 Wently Public - California Comm Expres Det 10, 2014 Left of California that the foregoing paragraph is true and
Before me, a Notary Public for Scott Walter Baumgartner WANDA M. ANEAR Commission # 1916321 Notary Public - California San Diego County My Comm Expires Dec 10, 2014 Notary Public - California Land acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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
Scott Walter Baumgartner who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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
the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person 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
the State of California that the foregoing paragraph is true and
WITNESS my hand and official seal. Notary Public
My commission expires

8

In Witness Whereof I have exec	cuted this assignment	on(Month, Day)	20 <u>12.</u> (Year)
Christopher J. Endr	***************************************		
(Name of Inventor)	(Signature of Inve	ntor)
U	NITED STATES OF	AMERICA	
State of Washington	· No.		
County of King	\$ 55:		
Before me, a Notary Public in a	and for the State of Ward Christopher J.		ed
Before me, a Notary Public in a	Christopher J. I certify that I kn Christopher J. Es and said person instrument and		lence that eared before me he) signed thi is/her) free an
Before me, a Notary Public in a	Christopher J. I certify that I kn Christopher J. Es and said person instrument and voluntary act fo instrument.	Endres ow or have satisfactory evidences is the person who appears acknowledged that (he/sacknowledged it to be (h	lence that eared before me he) signed thi is/her) free an
Before me, a Notary Public in a	Christopher J. I certify that I kn Christopher J. Es and said person instrument and voluntary act fo instrument. WITNESS my h	Endres ow or have satisfactory evidences is the person who appears acknowledged that (he/s acknowledged it to be (her the uses and purposes in	lence that eared before me he) signed thi is/her) free an
Before me, a Notary Public in a	I certify that I kn Christopher J. Exand said person instrument and voluntary act for instrument. WITNESS my h	Endres ow or have satisfactory evidences is the person who appear acknowledged that (he/s acknowledged it to be (her the uses and purposes mand and official seal.	lence that eared before me he) signed this/her) free an

ma251002 10/1/12

PATENT REEL: 052991 FRAME: 0425

RECORDED: 06/19/2020