Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Eugene Medlock	09/11/2001
Richard Yeh	09/13/2001
Scott M. Silbiger	09/11/2001
Gary S. Elliott	09/11/2001
Hung Q. Nguyen	09/11/2001
Shuqian Jing	09/11/2001

RECEIVING PARTY DATA

Name:	Amgen Inc.
Street Address:	One Amgen Center Drive
City:	Thousand Oaks
State/Country:	CALIFORNIA
Postal Code:	91320

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11251011

CORRESPONDENCE DATA

Fax Number: (312)474-0448

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3124746300

Email: jschumerth@marshallip.com

Correspondent Name: Marshall, Gerstein & Borun LLP

Address Line 1: 233 South Wacker Drive Address Line 2: 6300 Sears Tower

Address Line 4: Chicago, ILLINOIS 60606

ATTORNEY DOCKET NUMBER: 01017/36917D

PATENT REEL: 016876 FRAME: 0053

500064655

112510

CH \$40 0

NAME OF SUBMITTER:	Sharon M. Sintich
Total Attachments: 16	
source=DOC#page1.tif	
source=DOC#page2.tif	
source=DOC#page3.tif	
source=DOC#page4.tif	
source=DOC#page5.tif	
source=DOC#page6.tif	
source=DOC#page7.tif	
source=DOC#page8.tif	
source=DOC#page9.tif	
source=DOC#page10.tif	
source=DOC#page11.tif	
source=DOC#page12.tif	
source=DOC#page13.tif	
source=DOC#page14.tif	
source=DOC#page15.tif	
source=DOC#page16.tif	

ASSIGNMENT

Whereas, we, Eugene Medlock, Richard Yeh, Scott M. Silbiger, Gary S. Elliot, Hung Q. Nguyen and Shuqian Jing have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

	(a)	the US Patent Application executed on even date herewith;
	(b)	the US Patent Application executed on
\boxtimes	(c)	US Application Serial No.:09/810,927 filed on March 16, 2001
	(d)	IIS Patent No •

which is found in:

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 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, we hereby sell, assign, transfer and set over unto AMGEN INC., its successors and assigns (collectively "AMGEN") our 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, and/or continuation-in-part 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 AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our 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 us or at our direction or deposited on our behalf by Amgen, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(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.

We authorize and request the Commissioner of Patents and Trademarks of the United States to issue any such Letters Patent which may be granted on the Application to AMGEN as assignee of the entire right, title and interest therein and thereto.

For ourselves and for our legal representatives, we covenant and agree with AMGEN that we have not granted to any others any license to make, use or sell any of such inventions, that our right title and interest in such inventions has not been encumbered, that we have good right and title to sell and assign the same, and that we will not execute any instrument in conflict herewith.

For ourselves and for our heirs, successors and legal representatives, we further covenant and agree with AMGEN that upon request we and they will: (i) execute continuing, divisional or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to AMGEN any facts known to us or them relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigations; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for AMGEN, may be necessary or desirable to secure the grant of Letters Patent to AMGEN or its nominees, in the United States and in all other countries where AMGEN 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 AMGEN and to vest and confirm in AMGEN or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid but at the expense of AMGEN.

Fin	gene Medlock Evene Midlock
	ne of Inventor) Signature of Inventor)
	UNITED STATES OF AMERICA
State of Ca	alifornia
County of \	ss. Ventura
	September 11 2001
Befo appeared	ore me, a Notary Public for Ventura County, State of California, personally
	Eugene Medlock
汝	personally known to me - OR -
	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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
	WITNESS my hand and official seal.
•	Christia a. Hutures Notary Public
Co	My commission expires My commission expires Ty Public — California

In Witness	Whereof I have executed this assig	inment on the day	of 20 _
	Richard Yeh		
(Nar	ne of Inventor)	(Signature of Inventor)	
	UNITED STATES	S OF AMERICA	
State of Ca	lifornia		
County of	ss. Ventura		
			_ 20
Befo appeared	re me, a Notary Public for Ventura	County, State of California,	personally
	Richard Yo	<u>eh</u>	
	personally known to me - OR	•	
	proved to me on the basis of sat name is subscribed to the within he executed the same in his auti on the instrument the person, or acted, executed the instrument.	n instrument and acknowledg horized capacity, and that by	ed to me that his signature
s	WITNESS my hand and official s	eal.	
		Notary Public	
		My commission expires	
			20

		~ u ~ ~~
Sc	ott M. Silbiger	Scott M. Schice
(Nar	me of Inventor)	(Signature of Inventor)
	UNITED	STATES OF AMERICA
State of Ca	Nifornia	
State Of Ca	SS.	
County of	Ventura	
		September 11 2001
Befo appeared	ore me, a Notary Public for V	entura County, State of California, personally
	Scot	t M. Silbiger
囟	personally known to me	- OR -
-	name is subscribed to the he executed the same in I	s of satisfactory evidence to be the person whose within instrument and acknowledged to me that his authorized capacity, and that by his signature son, or the entity upon behalf of which the personument.
	WITNESS my hand and of	fficial seal.
•		Orriotica a. Hutterres

In Witness Whereof	I have executed th	is assignment o	n the Sept.	day of 11 2061
Gary S. Elli	iott	Hen	8. 30c	At ,
(Name of Inv		(Signa	ature of Invento	or)
	UNITED S	STATES OF AM	ERICA	
State of California				
County of Ventura	ss.			•
			loptember 1	2001
Before me, a appeared	Notary Public for V	entura County,	State of Califo	ornia, personally
	Gar	y S. Elliott		
person	ally known to me	· OR -		
name i he exe on the	I to me on the basis s subscribed to the cuted the same in h instrument the pers executed the instru	within instruments authorized cason, or the entit	ent and acknow apacity, and the	vledged to me that
WITNE	SS my hand and of	ficial seal.		
·		Okre	otria () L Notary Public	Lituria
	Constitution of the Consti	My cor	mmission expire	es
CHRISTINA A Commission Notary Public Ventura My Comm. Expin	# 1200954	1 Jan	ember 6	20 <u>02</u>

In Witness W	hereof I have executed this assignment on the day of 200_
	O. Nguyen of Inventor) (Signature of Inventor)
	UNITED STATES OF AMERICA
State of Calif	ss.
	September 11 2001
Before appeared	me, a Notary Public for Ventura County, State of California, personally
	Hung Q. Nguyen
×	personally known to me - OR -
	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 executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.
	WITNESS my hand and official seal.
• '	Aresteia a Hutures
Con	ISTINA A. GUTIERREZ Inmission # 1200954 / Public — California

Shi	uqian Jing	Ans	7
(Nan	ne of Inventor)	(Signature of Inventor)	
	UNITED	STATES OF AMERICA	
State of Ca	ss.		•
Journey or	Vontara	Soptenber 11	200/
Befo ppeared	ore me, a Notary Public for \	Ventura County, State of California,	personally
	Shu	gian Jing	And the second of the second o
X	personally known to me	- OR -	
	name is subscribed to the executed the same in	is of satisfactory evidence to be the e within instrument and acknowledge his authorized capacity, and that by erson, or the entity upon behalf of worument.	ged to me that his signature
	WITNESS my hand and o	official seal.	
•		Christia a. Juli Notary Public	erre
Note	ARISTINA A. GUTIERREZ Commission # 1200954 Cary Public — California Ventura County mm. Expires Nov 6, 2002	My commission expires	20 <i>0</i> 2_

ASSIGNMENT

Whereas, we, Eugene Medlock, Richard Yeh, Scott M. Silbiger, Gary S. Elliot, Hung Q. Nguyen and Shuqian Jing have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

which is found in:

	(á)	the US Patent Application executed on even date herewith;
	(b)	the US Patent Application executed on
\boxtimes	(c)	US Application Serial No.:09/810,927 filed on March 16, 2001
	(d)	US Patent No :

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 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, we hereby sell, assign, transfer and set over unto AMGEN INC., its successors and assigns (collectively "AMGEN") our 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, and/or continuation-in-part 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 AMGEN for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by us had this assignment and sale not been made.

Further, we hereby sell, assign, transfer, and set over unto AMGEN our 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 us or at our direction or deposited on our behalf by Amgen, its affiliates, employees or employees of its affiliates. The transfer of such right, title and interest includes, without limitation, our unreserved and irrevocable consent and authorization to AMGEN to refer to the deposited microorganisms(s) or other biological materials(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.

We authorize and request the Commissioner of Patents and Trademarks of the United States to issue any such Letters Patent which may be granted on the Application to AMGEN as assignee of the entire right, title and interest therein and thereto.

For ourselves and for our legal representatives, we covenant and agree with AMGEN that we have not granted to any others any license to make, use or sell any of such inventions, that our right title and interest in such inventions has not been encumbered, that we have good right and title to sell and assign the same, and that we will not execute any instrument in conflict herewith.

For ourselves and for our heirs, successors and legal representatives, we further covenant and agree with AMGEN that upon request we and they will: (i) execute continuing, divisional or reissue applications, amended specifications, or rightful declarations or oaths; (ii) communicate to AMGEN any facts known to us or them relating to such inventions or the history thereof; (iii) execute preliminary statements and testify in any interference proceedings or litigations; (iv) execute and deliver any application papers, assignments, or other instruments; and (v) do all other acts which, in the opinion of counsel for AMGEN, may be necessary or desirable to secure the grant of Letters Patent to AMGEN or its nominees, in the United States and in all other countries where AMGEN 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 AMGEN and to vest and confirm in AMGEN or its nominees, the full and complete legal and equitable title to all such Letters Patent, without further consideration than that now paid but at the expense of AMGEN.

in Witness	Whereof I have executed t	his assignment on the	_ day of 20 _
Eu	gene Medlock	•	
(Nar	me of Inventor)	(Signature of Inven	itor)
	UNITED	STATES OF AMERICA	
tate of Ca	alifornia		
ounty of	ss. Ventura		
			20
ppeared	Eug personally known to me	ene Medlock	
	proved to me on the bas name is subscribed to th he executed the same in	sis of satisfactory evidence to be within instrument and ackno- his authorized capacity, and erson, or the entity upon beha rument.	owledged to me that that by his signature
•		Notary Public	
		My commission exp	pires
			20

In Witness Whereof I have executed this ass	ignment on the 13 day of 09 20 0
Richard Yeh (Name of Inventor)	(Signature of Inventor)
UNITED STATE	ES OF AMERICA
New Ynk State of Galifornia	
County of Ventura .	Sept 13 2061
Before me, a Notary Public for Venturappeared	a County, State of California, personally
Richard \	/eh
personally known to me - OR	-
name is subscribed to the withi he executed the same in his au	atisfactory evidence to be the person whose in instrument and acknowledged to me that thorized capacity, and that by his signature or the entity upon behalf of which the person.
WITNESS my hand and official	seal.
	Mancy Lin Cullifan Notary Public
NANCY ANN CULLIGAN Notary Public, State of New York No. 01CU4766678 Qualified in Schuyler County Commission Expires Oct. 31, 20 0 Z	My commission expires Oは、31 20으로

In Wi	tness	Whereof I have executed thi	is assignment on	the day	of 20 _
•		4.4 . 0			•
		tt M. Silbiger e of Inventor)	/Signa	ture of Inventor)	
	/1.4¢i11	·	(Oigila		
		UNITED S	STATES OF AME	RICA	•
State	of Cal	ifornia			
	J. Ju.	ss.			
Coun	ty of V	entura		•	
					20
appea		e me, a Notary Public for V	entura County,	State of California	, personally
	***	Scott	t M. Silbiger		
		personally known to me	OR -		
		proved to me on the basis name is subscribed to the he executed the same in h on the instrument the per- acted, executed the instru	within instrume his authorized ca son, or the entit	ent and acknowled apacity, and that b	ged to me that y his signature
•		WITNESS my hand and of	ficial seal.		
				lotary Public	
			Му сог	nmission expires	
					20

In Wit	ness V	Vhereof I have executed this assig	nment on the	_ day o	f	20 _
						٠
		y S. Elliott e of Inventor)	(Signature of Inven	itor)		-
		UNITED STATES	S OF AMERICA			
State o	of Cali	fornia				
County	of Ve	ss. entura				
					20	
appear		e me, a Notary Public for Ventura	County, State of Cal	ifornia,	persona	illy
		Gary S. Ell	liott			
		personally known to me - OR -	- .			
		proved to me on the basis of sat name is subscribed to the within he executed the same in his auth on the instrument the person, or acted, executed the instrument.	instrument and ackn norized capacity, and	owledge that by I	d to me nis signa	that ature
		WITNESS my hand and official s	eal.	•		
••						
			Notary Public			
			My commission ex	pires		
					20	

Н	ung Q. Nguyen		
	ame of Inventor)	(Signature of Inventor)	
	UNITED	STATES OF AMERICA	
State of 0	California		
County of	ss.		·
			_ 20
Bet appeared	fore me, a Notary Public for	Ventura County, State of California,	personally
	Hui	ng Q. Nguyen	
	personally known to me	- OR -	-
	name is subscribed to the he executed the same in	sis of satisfactory evidence to be the ne within instrument and acknowledg n his authorized capacity, and that by erson, or the entity upon behalf of w crument.	ed to me that his signature
	WITNESS my hand and	official seal.	
*•			
		Notary Public	
**		My commission expires	
			20

	ugian Jing	
(Nar	ne of inventor)	(Signature of Inventor)
	UNITED S	TATES OF AMERICA
ate of Ca	lifornia	
	SS.	
ounty of \	ventura	
		20
		an Jing
	personally known to me - proved to me on the basis name is subscribed to the value he executed the same in his	OR - of satisfactory evidence to be the person within instrument and acknowledged to me authorized capacity, and that by his signon, or the entity upon behalf of which the
·	personally known to me - proved to me on the basis name is subscribed to the value in his on the instrument the person	OR - of satisfactory evidence to be the person within instrument and acknowledged to me authorized capacity, and that by his signon, or the entity upon behalf of which the nent.
·	personally known to me - proved to me on the basis name is subscribed to the v he executed the same in hi on the instrument the perso acted, executed the instrum	OR - of satisfactory evidence to be the person within instrument and acknowledged to me authorized capacity, and that by his signon, or the entity upon behalf of which the nent.
<u></u>	personally known to me - proved to me on the basis name is subscribed to the v he executed the same in hi on the instrument the perso acted, executed the instrum	OR - of satisfactory evidence to be the person within instrument and acknowledged to me authorized capacity, and that by his signon, or the entity upon behalf of which the nent.
·	personally known to me - proved to me on the basis name is subscribed to the v he executed the same in hi on the instrument the perso acted, executed the instrum	OR - of satisfactory evidence to be the person within instrument and acknowledged to me authorized capacity, and that by his signon, or the entity upon behalf of which the nent. icial seal.

RECORDED: 12/09/2005