Revised Form PTO-1595 RECORDATION FO	RM COVER SHEET  U.S. Department of Commerce Patent and Trademark Office
(Rev. 6-93) PATENT	S ONLY Docket No.:A-850
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies): Guo-Qiang Cao, Jian J. Chen, Celia Dominguez, Anthony Reed, Kelvin K.C. Sham, Maya c. Thaman, Dawei Zhang, Bradley J. Herberich	Name and address of receiving party(ies):     Name: Amgen Inc.  Internal Address: Mail Stop 27-4-A
Additional name(s) of conveying party(les) attached? 🔲 Yes 🛛 No	Patent Operations
Nature of conveyance:	Street Address: One Amgen Center Drive
Security Agreement	City: Thousand Oaks State: CA Zip: 91320
Execution Date: 3/30/05, 3/31/05 and 4/5/05	Additional name(s) & address(es) attached?
A. Patent Application No.(s)	B. Patent No.(s)  ned?  Yes  No  6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41)\$ 40.00
Name: U.S. Patent Operations/GPR	7. Total tee (37 CFN 3.41)
Internal Address: Dept. 4300, M/S 27-4-A  AMGEN INC.	Authorized to be charged to deposit account.
Street Address: One Amgen Center Drive  City: Thousand Oaks State: CA Zip: 91320-1799	Deposit account number: 01-0519      The Commissioner is hereby authorized to charge any additional filing fees which may be required or credit any overpayment to Deposit Account No. 01-0519
DO NOT US	E THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information the original document.  G. Prabhakar Reddy, Reg. No. 47,890  Name of Person Signing  Total number of pages including	, J

## ASSIGNMENT

Wherea	Whereas, we, Guo-Qiang Cao, 4235 Via Rio, Thousand Oaks, California 91360 U.S.								
-		Ji <u>an J.</u> Chen	ı, 677 Via Ca	arro, Newbui	ry Park, Califori	nia 91360 l	U.S <sub>:</sub>		
		Celia Domin	guez, 963 C	Cedarcliff Co	urt, Thousand (	Daks, Calif	ornia 91	1362 U.S.	
		Anthony Rec	ed, 3101 Pe	ninsula Road	d, #304, Oxnar	d, Californi	a 93035	5 U.S.	
		Kelvin K.C. S	Sham, 3111	La Casa Co	ourt, Thousand	Oaks, Cali	fornia 9	1362 U.S.	
	- * 11	Maya C. Tha	am <u>an, 177 F</u>	oli, Ventura	, California 930	01 <b>U.S</b> .		0.000	
		Dawei Zhang	g, 3030 Blaz	zing Star Driv	ve, Thousand C	aks, Califo	ornia 91	362 U.S.	
		Bradley Hert	perich, 1197	7 Ramona D	orive, Newburg	y Park Cal	lifornia s	91320 U.S.	(1980 - 1981 10 - 1 - 1 - 1
have made an inve entitled	ention wh	ich is the subj	ject of an a	pplication fo	or Letters Pater	nt of the U	inited S	tates ("Applic	ation")
Substitu	uted Hete	rocyclic Comp	pounds and	Methods of	f Use				
which is found in:									
(a)	the US	Patent Applic	ation execu	uted on ever	n date herewith	١.			
☐ (b)		Patent Applic Provisional A					v	which claims t	he benefit
(c)		lication Serial				-		y 11, 2005	
· · · · · · · · · · · · · · · · · · ·			efit of U.S.	Provisional	Application No	o. 60/536,6	317 filed	d January 14,	2004.
[ (d)	US Pat	ent 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

Docket	Mο:	A-850
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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 execut	ed this assignment on the 3 \ day of 03 20 05
Guo-Qiang Cao (Name of Inventor)	(Signature of Inventor)
	UNITED STATES OF AMERICA
State of California County of Ventura	March 31 20 05
Before me, a Notary Public for Ver	ntura County, State of California, personally appeared
Guo-Qiang Cao	
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/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.
EYNNE BUCHSBAUM Commission # 1478912 Notary Public - California Ventura County My Comm. Expires Apr 7, 2008	WITNESS my hand and official seal.  We have been public Notary Public My commission expires

	Docket No.: A-850
In Witness Whereof I have execute	ed this assignment on the <u>f</u> day of <u>April</u> 20 <u>af</u>
Jian J. Chen (Name of Inventor)	(Signature of Inventor)
	UNITED STATES OF AMERICA
State of California County of Ventura	April 5 2005
Before me, a Notary Public for Ver	ntura County, State of California, personally appeared
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/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.
LYNNE BUCHSBAUM Commission # 1475912 Notary Public - California Ventura County My Comm. Expires Apr 7, 2008	WITNESS my hand and official seal.    With the commission expires   20 0 8

31 day of March 2005
(Signature of Inventor)
RICA
Narch 31 20 05
nia, personally appeared
of satisfactory evidence to be the person whose within instrument and acknowledged to me that e in this/her authorized capacity, and that by strument the person, or the entity upon behalf executed the instrument.
Notary Public  My commission expires  20 08

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31 day of March 20 05 In Witness-Whereof I have executed this assignment on the Anthony Reed (Name of Inventor) UNITED STATES OF AMERICA State of California County of Ventura Parch 31 2005 Before me, a Notary Public for Ventura County, State of California, personally appeared Anthony Reed proved to me on the basis of satisfactory evidence to be the person whose personally known to me - OR 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. WITNESS my hand and official seal. LYNNE BUCHSBAUM Commission # 1475912 My Comm. Expires Apr 7, 200 My commission expires

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in Witness Whereof I have execute	ed this assignment on the 315th day of Manch	_20 <u>~5</u>
Kelvin K.C. Sham (Name of Inventor)	(Signature of Inventor)	
	UNITED STATES OF AMERICA	
State of California County of Ventura ss:	March 31	_20 <u>0 5</u>
Before me, a Notary Public for Ver Kelvin K.C. Sham	ntura County, State of California, personally appeared	
personally known to me - OR -	proved to me on the basis of satisfactory evidence to be the personame is subscribed to the within instrument and acknowledged to he/she executed the same in his/her authorized capacity, and his/her signature on the instrument the person, or the entity up of which the person acted, executed the instrument.	o me that d that by
LYNNE BUCHSBAUM Commission # 1475912 Notary Public - California Ventura County My Comm. Expires Apr 7, 2008	WITNESS my hand and official seal.  When the hand and official seal.  Notary Public  My commission expires	(UNK_
	April 7	20 08

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	Docket No.: A-850
In Witness Whereof I have execut	ed this assignment on the 30 day of March 20 <u>5</u>
Maya C. Thaman (Name of Inventor)	(Signature of Inventor)
	UNITED STATES OF AMERICA
State of California County of Ventura ss:	March 30 20 05
Before me, a Notary Public for Ver	ntura County, State of California, personally appeared
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/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.
LYNNÉ BUCHSBAUM Commission # 1475912 Notary Public - California Ventura County My Comm. Expires Apr 7, 2008	WITNESS my hand and official seal.  With Ess my hand and official seal.  With Ess my hand and official seal.  Notary Public  My commission expires  April 7 20 08

In Witness Whereof I have execute  Dawei Zhang  (Name of Inventor)	d this assignment on the	12	l A	20 <u>\$\sqrt{\sin}}}}}}}}}}}}} \simptintites \sqrt{\sinces\sqrt{\sqrt{\sqrt{\sqrt{\sq}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}</u>
ι	JNITED STATES OF AMI	ERICA		
State of California County of Ventura State of California State of California State of California		March	3/ -	_20 <u>05</u> -
Before me, a Notary Public for Vent	tura County, State of Califo	ornia, personally	appeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she- executed the san his/her signature on the in of which the person acted, WITNESS my hand and pro-	within instrumen ne in his/her aut nstrument the pe , executed the ins	t and acknowledged horized capacity, an rson, or the entity up	to me that Id that by
LYNNE BUCHSBAUM Commission # 1475912 Notary Public - Colifornia Wentura County My Comm. Expires Apr 7, 2006	<i>Sy</i>		Yuchsba ry Public ission expires 1. 7	<u>un()</u> _2008

			Dock	et No.: A-850
In Witness Whereof I have execute	ed this assignment on the	31 day of	March	_20 <u>0\$</u>
Bradley J. Herberich (Name of Inventor)		Morph (Signa	ature of Inventor)	<u>.</u>
	UNITED STATES OF AM	IERICA		
State of California County of Ventura Sss:	- · <u> </u>	March	3/	_20 <u>U.S</u> :
Before me, a Notary Public for Ven Bradley J. Herberich	itura County, State of Calif	iornia, personally a	ppeared	
personally known to me - OR -	proved to me on the basis name is subscribed to the he/she executed the sai his/her signature on the of which the person acted	e within instrument me in his/her auth instrument the per	and acknowledged norized capacity, a son, or the entity u	to me that nd that by
LYNNE BUCHSBAUM Commission # 1475912 Notary Public - California Ventura County My Comm. Expires Apr 7, 2008	WITNESS my hand and e	nne D	y Public ssion expires	<u>20</u> 08

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