

Revised Form P

04-11-2000



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ORM COVER SHEET	U.S. Department of Commer
	Patent and Trademark Offi
ITC ON! V	

101314642 FATENT	S ONLY
To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.
Name of conveying party(ies):     Utrike D. Spohr; Michael J. Malone; Nathan B. Mantlo;     Jeffrey A. Zablocki  Additional name(s) of conveying party(ies) attached?  Yes  No	Name and address of receiving party(ies):     Name:     Amgen Inc.  Internal Address:
	One America Contact Priva
Nature of conveyance:	Street Address: One Amgen Center Drive
☐ Security Agreement ☐ Change of Name ☐ Other	City: Thousand Oaks State: CA Zip: 91320
Execution Date: various	Additional name(s) & address(es) attached?
<ul> <li>4. Application number(s) or patent number(s):         If this document is being filed together with a new application, t         A. Patent Application No.(s)         08/985,346     </li> </ul>	he execution date of the application is:  B. Patent No.(s)
Additional numbers attache	l d? ☐ Yes ☒ No
Name and address of party to whom correspondence concerning document should be mailed:      Name and address of party to whom correspondence concerning document should be mailed:      Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41)\$ 40.00
Name: U.S. Patent Operations/FSU	
Internal Address: Dept. 430, M/S 27-4-A	Enclosed
AMGEN INC.	Authorized to be charged to deposit account.
Street Address: One Amgen Center Drive	8. Deposit account number: 01-0519
City: Thousand Oaks State: CA Zip: 91320-1799	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 USE	THIS SPACE
	in is true and correct and any attached copy is a true copy of \\ \frac{1}{2} \frac{1}{2} \cdot

**CERTIFICATE OF MAILING** 

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231, on the date appearing below.

04/11/2000 TTOH11

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**REEL: 010669 FRAME: 0587** 

**PATENT** 

## **ASSIGNMENT**

Whereas	s, we, <u>Ulrike D. Spohr, 292</u>	5 Glenwood Drive, #30	5, Boulder, CO 80301	
	Michael J. Malone,	3 West Sand Lake Ro	ad, Wynantskill, NY 12198	
	Nathan B. Mantlo, 7	7325 E. County Road 8	00 North, Brownsburg, IN 46112	
	Jeffrey A. Zablocki,	580 Sleeper Avenue,	Mountain View, CA 94040	
	·	• •	rs Patent of the United States ("Applic	cation") entitled
000011	TOTED T THIMBINGHE THE	or moone com c	CHESTALD INELLIFORS S. COL	
which is found in:				
☐ (a)	the US Patent Application e	xecuted on even date	nerewith;	
☐ (b)	the US Patent Application e	xecuted on		
<b>⊠</b> (c)	US Application Serial No.:	08/985,346	filed on December 4, 1997	
☐ (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

1

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.

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In Witness Whereof I have execute	ed this assignment on the	day of	Febru	ay	20 <u>00</u>
Ulrike D. Spohr		heihi (Sigi	Tebma  J. Sp  nature of Invent	2020 or)	
Λ	UNITED STATES OF AM	ERICA			
State of DOM (10) ss:		<u>Je</u>	h 15	2	o <u>CC</u>
Before me, a Notary Public for [ ]		Olomadu, person	ally appeared _		
personally known to me - OR -	proved to me on the bas name is subscribed to the he/she executed the sa his/her signature on the of which the person acted	e within instrume ame in his/her a instrument the p	ent and acknow authorized capa person, or the	rledged to acity, and	me that that
	WITNESS my hand and	official seal.  MACUY  No	Stary Public	<u>uiv</u>	1
		My com	mission expires		0 <u>00</u>

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	In Witness Whereof I have execute	ed this assignment on the	day of	20
	Michael J. Malone		(Signature of Inve	entor)
State of		UNITED STATES OF AMI	ERICA	
County o	of ss:			20
	Before me, a Notary Public for [_	County], [State of	], personally appeared	
pers	sonally known to me - OR -	name is subscribed to the he/she executed the sai his/her signature on the	s of satisfactory evidence to be within instrument and acknowne in his/her authorized capinstrument the person, or the l, executed the instrument.	wledged to me that bacity, and that by
		WITNESS my hand and o	official seal.	
			Notary Public	
			My commission expire	es
				20

In Witness Whereof I have ex	xecuted this assignment on the	day of	20
Nathan B. Mantlo		(Signature of Inv	ventor)
	UNITED STATES OF AMER	IICA	
State of Sounty of Ss:			
			20
Before me, a Notary Public f	for [County], [State of	_], personally appeared _	·
personally known to me - OR -	proved to me on the basis of name is subscribed to the whe/she executed the same his/her signature on the insoft which the person acted, example of which the person acted, example of the person acted.	within instrument and ackn e in his/her authorized ca strument the person, or th	owledged to me that apacity, and that by
	WITNESS my hand and office	cial seal.	
		Notary Public	
		My commission expi	res
			20

lr	n Witness Whereof I have execute	ed this assignment on the	day of	20
	Jeffrey A. Zablocki		(Signature of Inv	ventor)
		UNITED STATES OF AMER	RICA	
State of County of	} ss:			
				20
I	Before me, a Notary Public for [_	County], [State of	], personally appeared _	
persor	nally known to me - OR -	proved to me on the basis of name is subscribed to the he/she executed the same his/her signature on the interpretation of which the person acted,	within instrument and ackne in his/her authorized ca strument the person, or the	lowledged to me that apacity, and that by
		WITNESS my hand and off	icial seal.	
			Notary Public	
			My commission exp	ires
				20

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	Michael J. Malone,	3 West Sand Lake Roa	ad, Wynantskill, NY 12198	
	Nathan B. Mantlo, 7	325 E. County Road 8	00 North, Brownsburg, IN 46112	
	Jeffrey A. Zablocki,	580 Sleeper Avenue, I	Mountain View, CA 94040	
have made an inver	ntion which is the subject of a	an application for Lette	rs Patent of the United States ("Application") enti	tlec
SUBSTIT	TUTED PYRIMIDINONE AND	PYRIDONE COMPO	UNDS AND METHODS OF USE	
which is found in:				
☐ (a)	the US Patent Application ex	xecuted on even date	herewith;	
☐ (b)	the US Patent Application ex	xecuted on		
⊠ (c)	US Application Serial No.:	08/985,346	filed on December 4, 1997	
(d)	US Patent No.:			
, .				

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day of

In Witness Whereof I have executed this assignment on the

	Ulrike D. Spohr	(Signature of Inventor)
		UNITED STATES OF AMERICA
State of County of	} ss:	
		20
	Before me, a Notary Public for [	County], [State of], personally appeared
☐ perso	onally 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.
		WITNESS my hand and official seal.
		Notary Public
		My commission expires
		20

In Witness Whereof I have execute	ed this assignment on the 2474 day of February 20 00
Mila Malone	(Signature of Inventor)
Willer J. Maione	(Signature of inventor)
	UNITED STATES OF AMERICA
State of New York County of Albany ss:	
	2,24 20 02
Before me, a Notary Public for [	County], [State of / / / ], personally appeared
Michael J.	malone
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.
	WITNESS my hand and official seal.
	Notary Public
	My commission expires
	<u> </u>
	HOMARD MIZINSKI  Motary Public, Stars of New York  Motary Public, Stars of New York  Motary Public, Stars of New York  Motary Public Stars Stars  Qualified in Ronss Star County  Commission Expires 7 - 27 - 27
	Commission Expires 9-86-01

	In Witness Whereof I have execut	ed this assignment on the	day of	20
	Nathan B. Mantlo	<del></del>	(Signature of Inve	ntor)
		UNITED STATES OF AMER	RICA	
State of County of	of ss:			
,				20
	Before me, a Notary Public for [_	County], [State of	], personally appeared	
pers	sonally known to me - OR -	name is subscribed to the he/she executed the sam	of satisfactory evidence to be within instrument and acknow e in his/her authorized cap strument the person, or the executed the instrument.	wledged to me that acity, and that by
		WITNESS my hand and off	icial seal.	
			Notary Public	
			My commission expire	s
				20

In Witness Whereof I have e	executed this assignment on the	day of	20
Jeffrey A. Zablock	si	(Signature of In	ventor)
	UNITED STATES OF AME	RICA	
State of Sounty of Ss:			
	<del></del>		20
Before me, a Notary Public	c for [County], [State of	], personally appeared	
personally known to me - OR -	name is subscribed to the he/she executed the sam	within instrument and ackine in his/her authorized on instrument the person, or to	nowledged to me that apacity, and that by
	WITNESS my hand and of	ficial seal.	
		Notary Public	
		My commission exp	pires
			20

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	Michael J. Malone,	3 West Sand Lake Ro	ad, Wynantskill, NY 12	198
	Nathan B. Mantlo, 7	325 E. County Road	300 North, Brownsburg,	IN 46112
	Jeffrey A. Zablocki,	580 Sleeper Avenue,	Mountain View, CA 940	)40
	ention which is the subject of a	• •		States ("Application") entitled
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				<del> </del>
which is found in:				
[] (a)	the US Patent Application e	vocutod on oven date.	horowith:	
∐ (a)	• •		Herewith,	
□ (b)	the US Patent Application e	xecuted on		_
(c)	US Application Serial No.:	08/985,346	filed on Dece	mber 4, 1997
(d)	US Patent No.:			
, ,				

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In V	Vitness Whereof I have execut	ted this assignment on the _	day of	20
	Ulrike D. Spohr		(Signature of In	ventor)
		UNITED STATES OF AMERI	ICA	
State of County of	<b>}</b> ss:			
				20
Bef	fore me, a Notary Public for [	County], [State of	], personally appear	ed
personali	y known to me - OR -	proved to me on the basis of name is subscribed to the vibe/she executed the same his/her signature on the insof which the person acted, executed the same of which the person acted, executed the same of which the person acted.	within instrument and ack in his/her authorized strument the person, or	knowledged to me that capacity, and that by
		WITNESS my hand and office	cial seal.	
			Notary Public	
			My commission exp	oires
				20

In Wit	ness Whered	of I have exc	ecuted this assignment on the	e day of	20
	Michael .	J. Malone		(Signature of I	nventor)
			UNITED STATES OF A	MERICA	•
State of County of	}	ss:			
			-		20
Befo	re me, a Nota	ary Public fo	or [County], [State of _	], personally appeared	
personally	known to me	- OR -	name is subscribed to he/she executed the his/her signature on the	asis of satisfactory evidence to the within instrument and ack same in his/her authorized ne instrument the person, or ted, executed the instrument.	knowledged to me that capacity, and that by
			WITNESS my hand an	d official seal.	
				Notary Public	
				My commission ex	pires
					20

In Witness Whereof I have executed the second of the secon	Marko Jahan B-Marko (Signature of Inventor)
	UNITED STATES OF AMERICA
State of INDIANA } ss:	
	FEBRUARY 16 20 00
Before me, a Notary Public for [	County], [State of _[N], personally appeared
AHTAIN	IN B. MANTLO
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.
	WITNESS my hand and official seal.
	Meson Sun Wilkiam
	My commission expires
	FEBRUARY 16 TW 20 C7 OCTOBER 14

	In Witness Whereof I have execut	ted this assignment on the	day of	20
	Jeffrey A. Zablocki		(Signature of Inv	ventori
	Jemey A. Zabiocki		(Signature or inv	remor)
		UNITED STATES OF AME	RICA	
state of County o	<b>s</b> s:			
				20
	Before me, a Notary Public for [_	County], [State of	], personally appeared	
pers	onally known to me - OR -	name is subscribed to the he/she executed the san	of satisfactory evidence to within instrument and acknown in his/her authorized construment the person, or the executed the instrument.	owledged to me that apacity, and that by
		WITNESS my hand and of	fficial seal.	
				·····
			Notary Public	
			My commission expi	res
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	Michael J. Malone,	3 West Sand Lake Ro	ad, Wynantskill, NY 12	2198	
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	Jeffrey A. Zablocki,	580 Sleeper Avenue,	Mountain View, CA 94	1040	
	ention which is the subject of a				titled
300311	TOTED I TRIMIDINGIAL AIRE	DI THEOTIL COM C	ONDO AND METHO	<del>30 01 00L</del>	
which is found in:					
(a)	the US Patent Application ex	xecuted on even date	herewith;		
(b)	the US Patent Application executed on				
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		TNESS my hand and official seal.
		Notary Public
		,
		My commission expires

In Witnes	ss Whered	of I have ex	recuted this assignment o	n the	day of	20
	Michael .	J. Malone		<u></u>	(Signature of Inve	ntor)
	Mioriaci				(Signature of inve	
			UNITED STATES O	F AMER	RICA	
State of County of	}	ss:				
						20
Before r	ne, a Nota	ary Public 1	or [County], [State	of	], personally appeared	
personally kno	wn to me	- OR -	name is subscribed he/she executed this/her signature of	d to the vine same on the ins	of satisfactory evidence to be within instrument and acknow in his/her authorized cap strument the person, or the executed the instrument.	wledged to me that acity, and that by
			WITNESS my hand	d and offi	cial seal.	
					Notary Public	
					My commission expire	s
			· 			20

In Witness Whereof I have execute	ed this assignment on the _	day of	20
Nathan B. Mantlo		(Cimphura of law	
Naman B. Mamio		(Signature of Inv	entor)
	UNITED STATES OF AMERI	CA	
State of Sounty of State of			
			20
Before me, a Notary Public for [	County], [State of	_], personally appeared _	
personally known to me - OR -	proved to me on the basis of name is subscribed to the wi he/she executed the same his/her signature on the inst of which the person acted, ex	thin instrument and acknown in his/her authorized ca rument the person, or the	owledged to me that pacity, and that by
	WITNESS my hand and offici	al seal.	
		Notary Public	
		My commission expir	es
			20

In Witness Whereof I have execute	ed this assignment on the $\frac{28H}{}$ day of $\frac{1}{1}$ day of $\frac{1}{1}$ 20 00
Jeffrey A . Zoblocki Jeffrey A Zablocki	Signature of Inventor)
	UNITED STATES OF AMERICA
State of California County of Santa Clara ss:	
	February 28 20 00
Before me, a Notary Public for [_6	County], [State of], personally appeared
Jeffrey A. Zablach	£1.
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.
	WITNESS my hand and official seal.
TANA NELSON COMM. #1207870 Notary Public-California SANTA CLARA COUNTY My Comm. Exp. Jan. 11, 2003	Notary Public  My commission expires

**PATENT** REEL: 010669 FRAME: 0607

RECORDED: 03/07/2000