

04-11-2000

101314642

IN FORM COVER SHEET

U.S. Department of Commerce  
Patent and Trademark Office

Revised Form P  
(Rev. 6-93)

PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
Ulrike D. Spohr; Michael J. Malone; Nathan B. Mantlo;  
Jeffrey A. Zablocki

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: various

2. Name and address of receiving party(ies):

Name: Amgen Inc.

Internal Address: \_\_\_\_\_

Street Address: One Amgen Center Drive

City: Thousand Oaks State: CA Zip: 91320

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

08/985,346

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: U.S. Patent Operations/FSU

Internal Address: Dept. 430, M/S 27-4-A

AMGEN INC.

Street Address: One Amgen Center Drive

City: Thousand Oaks State: CA Zip: 91320-1799

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account.

8. 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 USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document

Frank Ungemach

Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 21

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 TTOM11

00000076 010519

08985346

01 FC:581

40.00 CH

Signature

PATENT  
REEL: 010669 FRAME: 0587

# ASSIGNMENT

Whereas, we, Ulrike D. Spohr, 2925 Glenwood Drive, #305, Boulder, CO 80301  
Michael J. Malone, 3 West Sand Lake Road, Wynantskill, NY 12198  
Nathan B. Mantlo, 7325 E. County Road 800 North, Brownsburg, IN 46112  
Jeffrey A. Zablocki, 580 Sleeper Avenue, Mountain View, CA 94040

have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

## SUBSTITUTED PYRIMIDINONE AND PYRIDONE COMPOUNDS AND METHODS OF USE

which is found in:

- ☐ (a) the US Patent Application executed on even date herewith;
- ☐ (b) the US Patent Application executed on \_\_\_\_\_
- ☒ (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

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 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 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 this assignment on the 15 day of February 2000

Ulrike D. Spohr  
Ulrike D. Spohr

Ulrike D. Spohr  
(Signature of Inventor)

# UNITED STATES OF AMERICA

State of Colorado } ss:  
County of Boulder

Feb 15 2000

Before me, a Notary Public for [ Boulder County], [State of Colorado], personally appeared \_\_\_\_\_

Ulrike D Spohr

☐ 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.

Kimberly Jo Schaub  
Notary Public

My commission expires

3/6 2000

In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Michael J. Malone

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
20 \_\_\_\_

Before me, a Notary Public for [\_\_\_\_\_] County], [State of \_\_\_\_\_], personally appeared \_\_\_\_\_

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WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

My commission expires

\_\_\_\_\_  
20 \_\_\_\_

In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Nathan B. Mantlo

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
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\_\_\_\_\_  
Notary Public

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In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Jeffrey A. Zablocki

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
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Nathan B. Mantlo, 7325 E. County Road 800 North, Brownsburg, IN 46112  
Jeffrey A. Zablocki, 580 Sleeper Avenue, Mountain View, CA 94040

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SUBSTITUTED PYRIMIDINONE AND PYRIDONE COMPOUNDS AND METHODS OF USE

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- ☐ (a) the US Patent Application executed on even date herewith;  
☐ (b) the US Patent Application executed on \_\_\_\_\_  
☒ (c) US Application Serial No.: 08/985,346 filed on December 4, 1997  
☐ (d) US Patent No.: \_\_\_\_\_

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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 executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
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 \_\_\_\_\_

☐ 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

\_\_\_\_\_  
20 \_\_\_\_



In Witness Whereof I have executed this assignment on the 24TH day of February 20 00

Michael J. Malone  
Michael J. Malone

Michael J. Malone  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of New York  
County of Albany } ss:

2, 24 20 00

Before me, a Notary Public for [\_\_\_\_\_] County], [State of NY], 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.

Howard Mizinski  
Notary Public

My commission expires

9 - 21 20 01

HOWARD MIZINSKI  
Notary Public, State of New York  
No. 4005779  
Qualified in Rensselaer County  
Commission Expires 9 - 21 - 01

In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Nathan B. Mantlo

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
20 \_\_\_\_

Before me, a Notary Public for [\_\_\_\_\_] County], [State of \_\_\_\_\_], personally appeared \_\_\_\_\_

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\_\_\_\_\_  
Notary Public

My commission expires

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In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Jeffrey A. Zablocki

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
20 \_\_\_\_

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Notary Public

My commission expires

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Whereas, we, Ulrike D. Spohr, 2925 Glenwood Drive, #305, Boulder, CO 80301  
Michael J. Malone, 3 West Sand Lake Road, Wynantskill, NY 12198  
Nathan B. Mantlo, 7325 E. County Road 800 North, Brownsburg, IN 46112  
Jeffrey A. Zablocki, 580 Sleeper Avenue, Mountain View, CA 94040

have made an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

## SUBSTITUTED PYRIMIDINONE AND PYRIDONE COMPOUNDS AND METHODS OF USE

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- ☐ (a) the US Patent Application executed on even date herewith;  
☐ (b) the US Patent Application executed on \_\_\_\_\_  
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In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
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 \_\_\_\_\_

☐ 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

\_\_\_\_\_  
20 \_\_\_\_

In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Michael J. Malone

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
20 \_\_\_\_

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WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

My commission expires

\_\_\_\_\_  
20 \_\_\_\_

In Witness Whereof I have executed this assignment on the 16 day of February 20 00

Nathan B. Mantlo  
Nathan B. Mantlo

Nathan B. Mantlo  
(Signature of Inventor)

## UNITED STATES OF AMERICA

State of INDIANA } ss:  
County of MARION

FEBRUARY 16 20 00

Before me, a Notary Public for [ MARION County], [State of IN ], personally appeared \_\_\_\_\_

NATHAN 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.

Debra Lynn Willison  
Notary Public

My commission expires

FEBRUARY 16 <sup>TW</sup> 20 07  
OCTOBER 14

In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Jeffrey A. Zablocki

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
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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 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 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 this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
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 \_\_\_\_\_

☐ 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

\_\_\_\_\_ 20 \_\_\_\_

In Witness Whereof I have executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Michael J. Malone

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ } ss:  
County 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 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 executed this assignment on the \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_

\_\_\_\_\_  
Nathan B. Mantlo

\_\_\_\_\_  
(Signature of Inventor)

**UNITED STATES OF AMERICA**

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } ss:

\_\_\_\_\_  
20 \_\_\_\_

Before me, a Notary Public for [\_\_\_\_\_] County], [State of \_\_\_\_\_], 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.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

My commission expires

\_\_\_\_\_  
20 \_\_\_\_

In Witness Whereof I have executed this assignment on the 28<sup>th</sup> day of Feb. 20 00

Jeffrey A. Zablocki  
Jeffrey A. Zablocki

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 [Santa Clara County], [State of California], personally appeared \_\_\_\_\_

Jeffrey A. Zablocki

☒ 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  
Notary Public

My commission expires

January 11 20 03