

03-22-1999



To the Honorable Commissioner of

100989052

original documents or copy thereof.

1. Name of conveying party(ies):
Scott Simonet, Colin Dunstan and Ildko Sarosi

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

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

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: One Amgen Center Drive

City: Thousand Oaks State: CA Zip: 91320

Execution Date: October 15, 1997

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) 08/943,687)

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/RBW

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

AMGEN INC.

Street Address: One Amgen Center Drive

City: Thousand Oaks State: CA Zip: 91320-1789

6. Total number of applications and patents involved:

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

Robert B. Winter

Name of Person Signing

Signature

3-1-99

Date

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

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.

3/1/99
Date

Wen Sorenson
Signature

PATENT

ASSIGNMENT

Whereas, we, **Scott Simonet, 2293 Watertown Court, Thousand Oaks, California 91360**
Colin Dunstan, 887 Tupelo Wood Court, Newbury Park, California 91320
Ildiko Sarosi, 587F N. Ventu Park Road, #139, Newbury Park, California 91320

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

MAMMALS LACKING EXPRESSION OF OSTEOPROTEGERIN

which is found in:

- (a) the U.S. Patent Application executed on even date herewith;
- (b) the U.S. Patent Application executed on _____
- (c) U.S. Application Serial No.: _____ filed on _____
- (d) U.S. Patent No.: _____

Whereas **AMGEN INC.**, a Delaware corporation having its principal place of business at 1840 De Havilland Drive, Thousand Oaks, California 91320-1789, 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.

EXPRESS MAIL CERTIFICATE

"Express Mail" mail labeling number: TB613684608 Date of Deposit: October 15, 1997

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to **Sci Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231.**

F. Craft
Printed Name

F. Craft
Signature

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 this assignment on the 15th day of October 19 97

COLIN DUNSTAN
(Name of Inventor)

[Signature]
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

October 15 19 97

Before me, a Notary Public for Ventura County, State of California, personally appeared Colin Dunstan

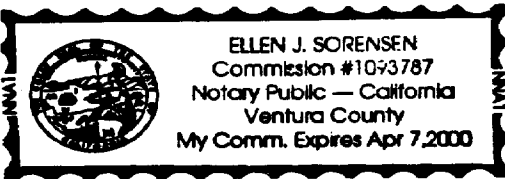
personally known to me - OR - proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

Ellen J. Sorensen
Notary Public

My commission expires

April 7 2000



In Witness Whereof I have executed this assignment on the 15th day of October 19 97

SCOTT SIMONET
(Name of Inventor)

W. Scott Simonet
(Signature of Inventor)

UNITED STATES OF AMERICA

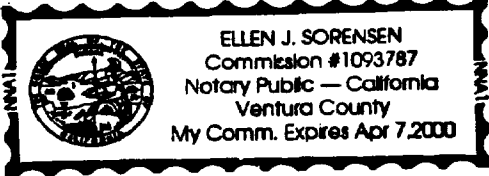
State of California }
County of Ventura } ss:

October 15 19 97

Before me, a Notary Public for Ventura County, State of California, personally appeared _____
Scott Simonet

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.



Ellen J. Sorensen
Notary Public

My commission expires
April 7 2000

In Witness Whereof I have executed this assignment on the 15th day of October 19 97

ILDIKO SAROSI
(Name of Inventor)

Illdiko Sarosi
(Signature of Inventor)

UNITED STATES OF AMERICA

State of California }
County of Ventura } ss:

October 15 19 97

Before me, a Notary Public for Ventura County, State of California, personally appeared _____

Illdiko Sarosi

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.

Ellen J. Sorensen
Notary Public

My commission expires

April 7 2000

