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HEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office
Docket No.: 4040/1K200US1

102074404

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

1. Name of conveying party(ies):

Kazuhiko AOKI

4-16-02

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: February 17, 2002

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

Name: Yale University

Internal Address:

Street Address: 451 College Street

City: New Haven State: Connecticut Zip: 06511

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 expiration date of the application is:

A. Patent Application No.(s)

09/627,775, filed July 28, 2000

B. Patent No.(s)

EXPRESS MAIL CERTIFICATE
 Date of Deposition: 02/28/02
 I hereby certify that, on the date indicated above, this paper or fee was deposited with the U.S. Postal Service & that it was addressed for delivery to the Assistant Commissioner for Patents, Washington, DC 20231 by "Express Mail Post Office Addressee" service.

Jessica Lynn
 Name (Print) Signature

Additional numbers attached? Yes No

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

Name: Darby & Darby P.C.

Internal Address: Adda C. Gogoris

Street Address: 805 Third Avenue, 27th Floor

City: New York State: New York Zip: 10022-7513

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:

04-0100

(Attach duplicate copy of this page if paying by deposit account)

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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.

Marie L. Collazo (#44,085)
Name of Person Signing

Signature

April 16, 2002
Date

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

5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 012834 FRAME: 0290

(Pending Application;
Serial No. Known)

ASSIGNMENT

WHEREAS, we, **Kazuhiro Aoki, William Carle Horne and Roland Baron**, hereinafter referred to as the assignors, residing respectively at **3-10-10-807 Izumi-cho, Narashino-shi, Chiba 275-0006 JAPAN, 246 Pleasant Point Road, Branford, Connecticut 06405**, and **9 Little Harbor Road, Guilford, Connecticut 06437** are joint-inventors with **Mark I. Greene and Ramachandran Murali** of **The University of Pennsylvania** of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. **09/627,775**, filed **July 28, 2000**, entitled **METHODS OF INHIBITING OSTEOCLASTOGENESIS**; and

WHEREAS, **Yale University**, hereinafter referred to as the assignee, a corporation of the **State of Connecticut**, having its principal place of business at **451 College Street, New Haven, Connecticut 06511**, is desirous of acquiring our entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, our entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey our interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to

sign all lawful papers to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of our entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

February 17th, 2002
Date

Kazuhiro Aoki (L.S.)
Kazuhiro Aoki

*signed at Tokyo,
Japan*

STATE OF _____ :
: SS
COUNTY OF _____ :

On this _____ day of _____, year of ____, before me personally came the above named _____ to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Notary Public