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

1. Name of conveying party(ies):

Manami TANAKA, Tomoo TANAKAAdditional name(s) of conveying party(ies) attached? No

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

Name: SECRETARY OF AGENCY OF INDUSTRIAL
SCIENCE AND TECHNOLOGY

Internal Address:

Street Address: 3-1, Kasumigaseki 1-chome, Chiyoda-
kuCity: Tokyo, State: Japan ZIP: 100-8921

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherExecution Date: November 9, 1999Additional name(s) & address(es) attached? 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: November 9, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/440936

Additional numbers attached? No

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

Name: Stephen A. BentInternal Address: FOLEY & LARDNERStreet Address: 3000 K Street, N.W., Suite 500City: Washington, State: D.C. ZIP: 20007-51096. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41). \$40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit account number: 19-0741

(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.*Stephen A. Bent

Name of Person Signing

November 16, 1999

Date

Total number of pages including cover sheet, attachments, and document: 3

PATENT

REEL: 010402 FRAME: 0325

Assignment of Application

WHEREAS, I (WE) Manami TANAKA of 909-103, Namiki 4-chome, Tsukuba-shi,
Ibaraki 305-0044 Japan and Tomoo TANAKA of Tokai-daigaku Shokuin Jyutaku 401, 246,
Kamikasuya, Isehara-shi, Kanagawa 259-1141 Japan

_____, respectively,
have invented certain new and useful improvements in: HUMAN-DERIVED BRADEION
PROTEINS, DNA CODING FOR THE PROTEINS, AND USES THEREOF

for which an application for Letters Patent was executed on _____
(Application No. _____, filed _____), and

WHEREAS, SECRETARY OF AGENCY OF INDUSTRIAL SCIENCE AND
TECHNOLOGY

(hereinafter referred to as "ASSIGNEE") having a place of business at:

3-1, Kasumigaseki 1-chome, Chiyoda-ku, Tokyo 100-8921 Japan

is desirous of acquiring the entire right, title and interest in and to said invention and in and to
any Letters Patent that may be granted therefore in the United States and its territorial
possessions and in any and all foreign countries

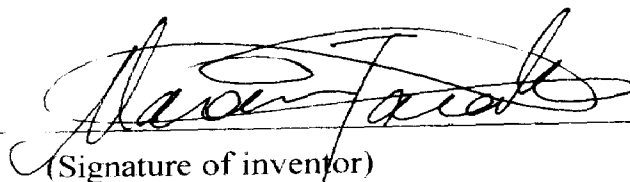
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt
whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by
these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to
the said invention in the United States and its territorial possessions and in all foreign countries
and the entire right, title and interest in and to any and all Letters Patent which may be granted
therefor in the United States and its territorial possessions and in any and all foreign countries
and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof

I (WE) hereby authorize and request the Patent Office Officials in the United States and its
territorial possessions and any official of any and all foreign countries to issue any and all of
said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right,
title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his)
successors and assigns, to the full end of the term for which said Letters Patent may be granted,
as fully and entirely as the same would have been held by me (us) had this Assignment and sale
not been made

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its legal representatives and assigns covenant and any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of FOLEY & LARDNER of Washington Harbour, Suite 500, 3000 K Street, N.W., Washington, DC 20007-5109 U.S.A. the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

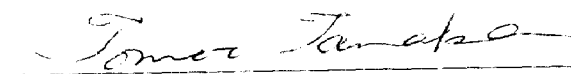
Date: November 9, 1999



(Signature of inventor)

Manami TANAKA

Date: November 9, 1999



(Signature of inventor)

Tomoo TANAKA

Date: _____

(Signature of inventor)