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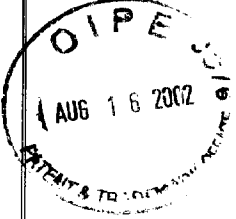
1. Name of conveying party(ies):

Sunghoon Kim

8-16-02

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

Seoul National University
san 56-1
Shilim-dong, Kwanak-gu
Seoul 151-742
Republic of Korea



Additional conveying party(ies) NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

August 12, 2002

Additional name(s) & address(es) attached? NO

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

09/442,630

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

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

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

Stephen A. Bent
FOLEY & LARDNER
Washington Harbour
3000 K Street, N.W., Suite 500
Washington, D.C. 20007-5143

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Check Enclosed

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8. Deposit account number: 19-0741

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Stephen A. Bent

August 16, 2002

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

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ASSIGNMENT AND AGREEMENT

WHEREAS, Sunghoon Kim of 103-1107 Yeoksamlukcy APT, Dogok-Dong, Kangnam-Ku, Seoul, Republic of Korea (hereinafter referred to singly and collectively as "ASSIGNOR") have invented a certain invention entitled **ANTI-APOPTOTIC OF HUMAN GLUTAMINYL-tRNA SYNTHETASE WITH TWO CONSECUTIVE PRO-APOPTOTIC MEDIATORS** (Atty. Dkt. No. 058333-0104) for which an application for United States Letters Patent was filed on November 18, 1999 as Application No. 09/442,630; and

WHEREAS, Seoul National University., a corporation duly organized and existing under the laws of the Republic of Korea, and having its principal place of business at san 56-1, Shilim-dong, Kwanak-gu, Seoul 151-742, Republic of Korea (hereinafter referred to as "ASSIGNEE") is desirous of acquiring the entire interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto ASSIGNEE, its successors and assigns, the full and exclusive right, title, and interest in and to (a) the above-identified application and all other applications for Letters Patent of the United States for the above-identified invention or inventions and all improvements and modifications thereof, (b) all Letters Patent which may issue from said applications in the United States, (c) all divisions, continuations, reissues, and extensions of said applications and Letters Patent in the United States, and (d) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representatives or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY AUTHORIZES the law firm of **Foley & Lardner** to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner** do not personally represent ASSIGNOR or ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 12th day of August, 2002.

Sunghoon Kim
Sunghoon Kim

SEOG HYUN Kim
Witness

Date: 16th Aug. 2002

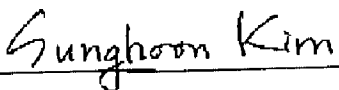
Deed of Assignment

U.S. Patent Application No.: 09/442,630

Title of Invention: ANTI-APOPTOTIC OF HUMAN GLUTAMINYL-tRNA
SYNTHETASE WITH TWO CONSECUTIVE PRO-APOPTOTIC MEDIATORS

I, the undersigned, **Sunghoon KIM** of, 103-1107 Yeoksamlukcy APT, Dogok-Dong, Kangnam-Ku, Seoul, Republic of Korea do hereby declare that I am sole and true owner of the above U.S. Patent Application and that I have assigned my right to the above U.S Patent Application to **Seoul National University.**, a corporation duly organized and existing under the laws of the Republic of Korea, and having its principal place of business at san 56-1, Shilim-dong, Kwanak-gu, Seoul 151-742, Republic of Korea.

Dated this 8th day of August, 2002.



Sunghoon Kim

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RECORDED: 08/16/2002

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PATENT
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