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Conveying Party(ies)

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Name Hideyuki FURUYA
 Execution Date
 Month Day Year
 07/19/99Name Hiroyuki MORITA 08/11/99Name Yukitaka TAKATSU 08/11/99Name Kose MICHIBUCHI 07/30/99Name Makoto TANIGAWA 07/30/99

Receiving Party

☐ Mark if additional names of receiving parties attached
Name (line 1) Japan Energy CorporationName (line 2) Address (line 1) 10-1, Toranomom 2-chome,Address (line 2) Minato-ku,Address (line 3) Tokyo 105

City

 JAPAN

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PATENT

REEL: 010259 FRAME: 0971

Correspondent Name and Address

Area Code and Telephone Number ~~817-248-7000~~ 817-248-7000

Name Patent Administrator

OPR/FINANCE

Address (line 1) Testa, Hurwitz & Thibault, LLP

Address (line 2) High Street Tower

Address (line 3) 125 High Street

Address (line 4) Boston, MA 02110

Pages Enter the total number of pages of the attached conveyance document including any attachments.

2

Application Number(s) or Patent Number(s)

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09/341,926

Patent Number(s)

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.PCT PCT PCT
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Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41):

\$ 40.00

Method of Payment: Enclosed ☒Deposit Account ☐

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account)

Deposit Account Number # 20-0531

Authorization to charge additional fees: Yes ☒ No ☐

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. Charges to deposit account are authorized, as indicated herein.

Dianne M. Rees

Name of Person Signing

Dianne Rees

Signature

September 21, 1999

Date

rees3999/80.858537-1

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PATENT
REEL: 010259 FRAME: 0972

ASSIGNMENT

WHEREAS, We, Hideyuki FURUYA, Hiroyuki MORITA, Yukitaka TAKATSU, Kose MICHIBUCHI, and Makoto TANIGAWA have invented one or more improvements in:

METHOD FOR STABILIZING PEPTIDES AND FREEZE-DRIED MEDICINAL COMPOSITIONS
CONTAINING PEPTIDES OBTAINED BY USING THE METHOD

described in an application (or provisional application) for Letters Patent of the United States:

☐ identified by Attorney Docket No. , and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

☒ Serial No. 09/341,926 filed in the United States Patent Office on July 20, 1999; and

WHEREAS, Japan Energy Corporation (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Country of Japan, and having a usual place of business at 10-1, Toranomom 2-chome, Minato-ku, Tokyo 105 Japan desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention, including but not limited to continuations, divisionals, reissues, and reexaminations of said application of such Letters Patent; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other statements or the giving of testimony in any interference or other proceeding in

which said inventions or any application or patent directed thereto may be involved; and we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: Hideyuki Furuya
Hideyuki FURUYA
Date: July 19, 1999

Inventor: Hiroyuki Morita
Hiroyuki MORITA
Date: Aug. 11, 1999

Inventor: Yukitaka Takatsu
Yukitaka TAKATSU
Date: Aug. 11, 1999

Inventor: Kose Michibuchi
Kose MICHIBUCHI
Date: July 30, 1999

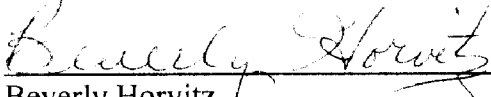
Inventor: Makoto Tanigawa
Makoto TANIGAWA
Date: July 30, 1999

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Furuya et al.
SERIAL NO.: 09/341,926 GROUP NO.: Not Yet Assigned
FILING DATE: July 20, 1999 EXAMINER: Not Yet Assigned
TITLE: METHOD FOR STABILIZING PEPTIDES AND FREEZE-DRIED
MEDICINAL COMPOSITIONS CONTAINING PEPTIDES
OBTAINED BY USING THE METHOD

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Box: Assignment, Assistant Commissioner for Patents, Washington, DC 20231 on this 21st day of September, 1999.


Beverly Horvitz

Box: ASSIGNMENT
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Submitted herewith are: Assignment Recordation Form Cover Sheet (2 pages); copy of executed Assignment (2 pages); Check in the amount of \$40.00 to cover assignment recordation fee; and mailroom postcard.

rees3999/80.858540-1