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09/445543

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03-29-2000

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To the Honorable Commission
Please record the attached

<p>1. Name of conveying party(ies) Kazutoh Takesako, Mitsuhiro Ueno, Naoyuki Awazu, Yoko Uno and Ikunoshin Kato</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): Name: <u>Takara Shuzo Co., Ltd.</u> Internal Address: Street Address: 609, Takenakacho, Fushimi-ku, Kyoto-shi City: Kyoto State: Japan Zip: <u>612-8061</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of name <input type="checkbox"/> Other</p> <p>Execution Date: <u>Jan. 21, 2000</u></p>	

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:

<p>A. Patent Application No. (s) 09/445,543</p>	<p>B. Patent No. (s)</p>
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Additional numbers attached? Yes No


<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Pollock, Vande Sande & Amernick</u> <u>00000017 09445543</u> <u>(40.00 BP)</u></p> <p>Internal Address: <u>P.O. Box 19088</u> Street Address: <u>1990 M Street, N.W. Suite 800</u> City: <u>Washington</u> State: <u>D.C.</u> Zip: <u>20036</u></p>	<p>6. Total number of applications and patents involved [1]</p> <p>7. Total fee (37 CFR 3.41).....\$<u>40</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit Account No: (Attach duplicate copy of this page if paying by deposit account)</p>
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Burton A. Amernick
Name of Person Signing


Signature

3-7-00
Date

Total number of pages comprising cover sheet: [4]

ASSIGNMENT

WHEREAS, We, Kazutoh Takesako, Mitsuhiro Ueno, Naoyuki Awazu, Yoko Uno and Ikunoshin Kato (hereinafter "ASSIGNOR"), have invented certain improvements entitled Physiologically Active Substances TKR2449, Process for Producing the Same, and Microorganism, for which an application for Letters Patent of the United States was executed on JAN. 21. 2000,

AND WHEREAS, Takara Shuzo Co., Ltd. (hereinafter "ASSIGNEE"), a corporation of Japan, having offices at 609, Takenakacho, Fushimi-ku, Kyoto-shi, Kyoto 612-8061 Japan, is desirous of acquiring an interest therein;

NOW THEREFORE, in consideration of one U.S. dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer unto ASSIGNEE the full and exclusive rights in and throughout the world in and to said improvements or invention, in and to said patent application, and in and to any priority rights connected therewith, whereby ASSIGNEE is empowered to make application for patent on said improvements or invention in any country in its own name.

AND ASSIGNOR hereby requests the U.S. Commissioner of Patents and Trademarks and the officials of all patent offices throughout the world to issue said Letters Patent to ASSIGNEE as the sole assignee of our entire right, title and interest in and to the same, for the sole use and behoof of the said ASSIGNEE;

FURTHER, based on the foregoing consideration, ASSIGNOR agrees that upon request and without additional compensation (except for reimbursement of reasonable out-of-pocket expenses) will assist ASSIGNEE in every reasonable manner in the documentation,

perfection, maintenance, protection and defense of ASSIGNEE's title to said invention, including (without limitation): making further application(s) for United States Letters Patent on said invention (including substitute, continuation, continuation-in-part and reissue applications) through any patent attorney designated by ASSIGNEE whenever requested by assignee; executing assignments to ASSIGNEE and/or its nominee; giving all reasonable assistance in the preparation and prosecution of said application(s) and in any proceedings relating to said application(s) or any patent(s) resulting therefrom, such as by giving testimony and executing all papers considered necessary by ASSIGNEE.

ASSIGNOR'S obligations under the preceding paragraph shall continue so long as Assignee has any legal or equitable interest in said invention, or in any patent granted thereon, or in any cause of action arising in connection therewith and if ASSIGNOR is employed by ASSIGNEE shall not be terminated by the termination of such employment.

ASSIGNOR covenants with said ASSIGNEE, its successors, assigns, and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that they have the full right to convey the same as herein expressed.

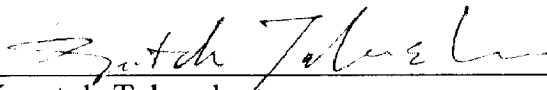
THIS AGREEMENT shall inure to the benefit of and be binding upon the successors and assigns of ASSIGNEE and the heirs, executors and administrators of ASSIGNOR.

The undersigned hereby grant the firm of Pollock, Vande Sande & Amernick, 1990 M Street, N.W., Suite 800, P.O. Box 19088, Washington, DC 20036, the power to insert on this assignment any further identification 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.

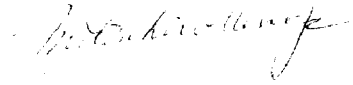
JAN. 21. 2000

Date


Kazutoh Takesako

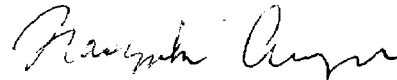
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Mitsuhiro Ueno

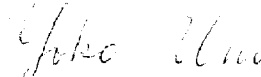
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Date


Naoyuki Awazu

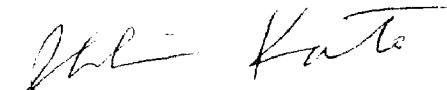
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Date


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