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To the Honorable Assistant Comm. 101113040 attached original documents or copy thereof.

1. Name of conveying party(ies):
Takenori KIMURA, Takeshi MURAKAMI, Junya OHMORI,
Takuma MORITA and Shin-ichi TSUKAMOTO

Additional name(s) of conveying party(ies) attached?
___ yes ___ x no

2. Name and address of receiving party(ies)?
Name:
YAMANOUCI PHARMACEUTICAL CO., LTD.
Internal Address:
3-11, Nihonbashi-Honcho 2-chome, Chuo-ku, Tokyo 103-8411 Japan
Street Address:
Same as above

3. Nature of Conveyance:

 Assignment ___ Merger

___ Security Agreement ___ Change of Name

___ Other

City State Zip

Additional name(s) & address(es) attached?
___ yes ___ x no

Execution Date: November 17, 1998

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 17, 1998

A. Patent Application No.(s) B. Patent No(s).

Additional numbers attached? Yes ___ x No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

___ Authorized to be charged to Deposit Account

8. Deposit Account No.

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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.

Waddell A. Biggart
Name Waddell A. Biggart Reg. No. 24,861 December 30, 1998 Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

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

ASSIGNMENT

Whereas, I/We, Takenori KIMURA, Takeshi MURAKAMI, Junya OHMORI,
Takuma MORITA and Shin-ichi TSUKAMOTO all of Ibaraki, Japan of

hereinafter called assignor(s), have invented certain improvements in

NOVEL THIOPHENE DERIVATIVE AND PHARMACEUTICAL COMPOSITION THEREOF

and executed an application for Letters Patent of the United States of America therefor on

November 17, 1998; and

Whereas, YAMANOUCHI PHARMACEUTICAL CO., LTD. of
3-11, Nihonbashi-Honcho 2-chome, Chuō-ku, Tokyo 103-8411 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application number _____, filed _____) the filing date and application number of said application when known.

Date: November 17, 1998 s/ Takenori Kimura
Takenori KIMURA

Date: November 17, 1998 s/ Takeshi Murakami
Takeshi MURAKAMI

Date: November 17, 1998 s/ Junya Ohmori
Junya OHMORI

Date: November 17, 1998 s/ Takuma Morita
Takuma MORITA

Date: November 17, 1998 s/ Shin-ichi Tsukamoto
Shin-ichi TSUKAMOTO

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 262) PATENT