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09-18-2006

To the Director of the U.S. Patent and

uments or the new address(es) below.

1. Name of conveying party(ies):

Shogo Marui (7/25/2006), Masaki Ogino
(7/25/2006), Hiroyuki Tawada (7/25/2006), and
Osamu Yabe (7/25/2006)

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s): in parentheses after inventor name

- ☒ Assignment ☐ Merger ☐ Change of Name
☐ Security Agreement ☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other

103308334

2. Name and address of receiving party(ies)

Name: Takeda Pharmaceutical Company Limited

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1-1, Doshomachi 4-chome
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City: Osaka

State:

Country: JAPAN

Zip:

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

A. Patent Application No.(s)

This application

☒ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

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

Name: David G. Conlin
EDWARDS ANGELL PALMER & DODGE
LLP

Internal Address: Atty. Dkt.: 66043(70820)

Street Address: P.O. Box 55874

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

- a. Credit Card Last 4 Numbers
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Authorized User Name David G. Conlin

9. Signature:

Mark D. Russett

Signature

August 31, 2006

Date

Mark D. Russett - 41,281

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Label No. EV 756263109 US, on the date shown below in an envelope addressed to:
MS PCT, Director of the US Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: August 31, 2006

Signature: *Mary M. Hutchinson* (Mary M. Hutchinson)

A S S I G N M E N T

I/We, Shogo MARUI, Masaki OGINO, Hiroyuki TAWADA and Osamu YABE (inventors), for good and valuable consideration from TAKEDA PHARMACEUTICAL COMPANY LIMITED (assignee), having its principal place of business at 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka Japan (address) hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States Serial No. _____ filed on _____ for improvements in the COUMARIN DERIVATIVE AND USE THEREOF (title) priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, in any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration I/We agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned agree(s) to furnish all pertinent facts and documents relating to said application, said invention and said patent(s) as may be known and accessible to the undersigned, and will testify as to the same in any interference or litigation related thereto, and will promptly execute and deliver to Assignee any and all papers, instruments or affidavits necessary or desirable to apply for, obtain, maintain or enforce said application or said patent(s) in connection with any interference which may be declared, and any litigation concerning this application or any continuation, division or reissue thereof or Patent(s) or reissue patent(s) issued thereon, and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner for Patents to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has (have) the full right to convey the entire interest herein assigned, and that the undersigned has (have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grants Edwards Angell Palmer & Dodge LLP of P.O. Box 55874, Boston, MA 02205, U.S.A. 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 U.S. Patent and Trademark, Office for recordation of this document.

I, Shogo MARUI, hereunto set my hand and seal this 25th day of July, 2006.

Shogo Marui

I, Masaki OGINO, hereunto set my hand and seal this 25th day of July, 2006.

Masaki Ogino

I, Hiroyuki TAWADA, hereunto set my hand and seal this 25th day of July, 2006.

Hiroyuki Tawada

I, Osamu YABE, hereunto set my hand and seal this 25th day of July, 2006.

Osamu Yabe