

11/579298
IAP01 Rec'd PCT/PTO 31 OCT 2006

Form PTO-1595 (Rev. 08/05)
OMB No. 0651-0027 (exp. 6/30/2008)

11-14-2006

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office



EET

103335799

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Jun Terauchi (10/20/2006), Haruhiko Kuno
(10/20/2006), Hiroshi Nara (10/20/2006), Hideyuki
Oki (10/20/2006), and

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

2. Name and address of receiving party(ies)

Takeda Pharmaceutical Company
Limited

Name:

Internal Address:

Street Address:

1-1, Doshomachi 4-chome
Chuo-ku, Osaka-shi
Osaka
541-0045
JAPAN

City:

State:

Country:

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.: 66612(46590)

Street Address: P.O. Box 55874

City: Boston

State: MA Zip: 02205

Phone Number: (617) 439-4444

Fax Number: (888) 325-9129

Email Address: dconlin@eapdlaw.com

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

Expiration Date

b. Deposit Account Number 04-1105

Authorized User Name David G. Conlin

9. Signature:

Signature

October 30, 2006

Date

Matthew Beaudet - 50,649

Name of Person Signing

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

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RECORDATION FORM COVER SHEET
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Kenjiro Sato (10/20/2006)

PATENT

REEL: 018531 FRAME: 0486

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RECORDATION FORM COVER SHEET
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):

Kenjiro Sato (10/20/2006)

Additional Assignees (2. Continued):

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

Additional Patent Application Numbers
4A. Continued:

Additional Patent Numbers
4B. Continued:

Additional numbers attached?

☐

Yes

☐

No

ASSIGNMENT

I/We, Jun TERAUCHI, Haruhiko KUNO, Hiroshi NARA, Hideyuki OKI
and Kenjiro SATO

(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 541-0045 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 HETEROCYCLIC AMIDE COMPOUND AND

USE THEREOF AS AN MMP-13 INHIBITOR (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, Jun TERAUCHI, hereunto set my hand and seal this 20th day of October, 2006 .

Jun Terauchi

I, Haruhiko KUNO, hereunto set my hand and seal this 20th day of October, 2006 .

Haruhiko Kuno

I, Hiroshi NARA, hereunto set my hand and seal this 20th day of October, 2006 .

奈良 洋

I, Hideyuki OKI, hereunto set my hand and seal this 20th day of October, 2006 .

沖 英幸

I, Kenjiro SATO, hereunto set my hand and seal this 20th day of October, 2006 .

佐藤 健二郎

I, _____, hereunto set my hand and seal this _____ day of _____, 2006 .

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PATENTS ONLY**

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Osaka
541-0045
JAPAN
City:
State:
Country: Zip:
Additional name(s) & address(es) attached? ☐ Yes ☒ No

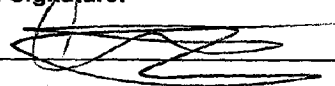
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