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FORM PTO-1595 (modified)



SHEET

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7 Rec'd PCT/PTO 18 MAR 2008

To the Honorable Assistant Secretary and Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies) thereof.

1. Name of conveying party(ies):

Mitsuhisa YAMANO, Mitsutaka GOTO, Shinji KAWAGUCHI,
Masatoshi YAMADA, Jun-ichi KAWAKAMI

Additional name(s) of conveying party(ies) attached? NO

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: February 1, 1, 1, 1, 1, 2008

2. Name and address of receiving party(ies):

Name: TAKEDA PHARMACEUTICAL COMPANY
LIMITEDAddress: 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi,
Osaka 541-0045, Japan

Additional name(s) & address(es) attached? NO

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: February 1, 1, 1, 1, 1, 2008A. Patent Application No.
NEW, filed March 18, 2008B. Patent No.(s)
, issued

Additional numbers attached? NO

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

Name: WENDEROTH, LIND & PONACK, L.L.P.
Attn: Warren M. Cheek, Esq.Street Address: 2033 K Street, N.W., Suite 800City: Washington, State: DC ZIP: 20006-10216. Total number of applications and patents involved: 1

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

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Warren M. Cheek, Reg. No.33,367

Name of Person Signing

Wachuek
SignatureMarch 18, 2008

Date

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ATTACHMENT D

PATENT

REEL: 020706 FRAME: 0161

ASSIGNMENT PCT/PTO 18 MAR 2008

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned

Insert Name(s) of Inventor(s) Mitsuhisa YAMANO, Mitsutaka GOTO, Shinji KAWAGUCHI, Masatoshi YAMADA,
and Jun-ichi KAWAKAMI

the undersigned hereby sell(s) and assign(s) to

Insert Name(s) of Assignee(s) Takeda Pharmaceutical Company Limited
Address of 1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0045 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as

Title of Invention DIPHOSPHINE LIGAND AND TRANSITION METAL COMPLEX USING THE SAME

for which an application for patent in the United States of America has resulted from International Application Serial No. PCT/JP2006/319095 filed on September 20, 2006

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States 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 he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the firm of WENDEROTH, LIND & PONACK, L.L.P., 2033 K Street, N.W., Suite 800, Washington, D.C. 20006-1021, 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 Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date February 1, 2008, Name of the Inventor M. Yamano
Mitsuhisa YAMANO

Date February 1, 2008., Name of the Inventor Mitsutaka Goto
Mitsutaka GOTO

Date February 1, 2008., Name of the Inventor Shinji Kawaguchi
Shinji KAWAGUCHI

Date February 1, 2008, Name of the Inventor Masatoshi Yamada
Masatoshi YAMADA

Date February 1, 2008, Name of the Inventor J. Kawakami
Jun-ichi KAWAKAMI

(This assignment should preferably be acknowledged before a United States Consul. If not, then the execution by the Inventor(s) should be witnessed by at least two witnesses who sign here.)

Witness Shokyo Miki Shokyo MIKI

Witness Masahiro Mizuno Masahiro MIZUNO

ACKNOWLEDGMENT

_____ } ss

This _____ day of _____, 20____, before me personally came the above-named me personally known as the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

Official Signature

Official Title

SEAL

The above application may be more particularly identified as follows:

U.S. Application Serial No. _____ Filing Date _____

Applicant Reference Number _____ Atty Docket No. _____

Title of Invention _____