

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masato YOSHIKAWA</td> <td>01/22/2013</td> </tr> <tr> <td>Shinkichi SUZUKI</td> <td>02/05/2013</td> </tr> <tr> <td>Tomoaki HASUI</td> <td>02/06/2013</td> </tr> <tr> <td>Makoto FUSHIMI</td> <td>02/06/2013</td> </tr> <tr> <td>Jun KUNITOMO</td> <td>02/05/2013</td> </tr> <tr> <td>Haruhi KAMISAKI</td> <td>02/05/2013</td> </tr> <tr> <td>Takahiko TANIGUCHI</td> <td>02/05/2013</td> </tr> </tbody> </table>		Name	Execution Date	Masato YOSHIKAWA	01/22/2013	Shinkichi SUZUKI	02/05/2013	Tomoaki HASUI	02/06/2013	Makoto FUSHIMI	02/06/2013	Jun KUNITOMO	02/05/2013	Haruhi KAMISAKI	02/05/2013	Takahiko TANIGUCHI	02/05/2013
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CORRESPONDENCE DATA																	
Fax Number:	2027218250																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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OP \$40.00 13813786

ATTORNEY DOCKET NUMBER:	2013_0056A
NAME OF SUBMITTER:	Donna King
Total Attachments: 3 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif source=ASSIGNMENT#page3.tif	

ASSIGNMENT

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) Masato YOSHIKAWA, Shinkichi SUZUKI, Tomoaki HASUI, Makoto FUSHIMI,
Jun KUNITOMO, Haruhi KAMISAKI and Takahiko TANIGUCHI

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 HETEROCYCLIC COMPOUND
for which an application for patent in the United States of America has resulted from International Application Serial No. PCT/JP2011/067809 filed on August 3, 2011

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., 1030 15th Street, N.W., Suite 400 East Washington, D.C. 20005-1503, 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 2013. 01. 22, Name of the Inventor Masato Yoshikawa
Masato YOSHIKAWA

Date 2013. 02. 05, Name of the Inventor Shinkichi Suzuki
Shinkichi SUZUKI

Date 2013. 02. 06, Name of the Inventor Tomoaki Hasui
Tomoaki HASUI

Date 2013. 02. 06, Name of the Inventor Makoto Fushimi
Makoto FUSHIMI

Date 2013. 02. 05, Name of the Inventor Jun Kuntomo
Jun KUNTOMO

Date 2013. 02. 05, Name of the Inventor Haruhi Kamisaki
Haruhi KAMISAKI

Date 2013. 02. 05, Name of the Inventor Takahiko Taniguchi
Takahiko TANIGUCHI

(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 C. L. Dyer C. L. DYER 22/1/13

Witness Anna Griffiths-Johnson A. GRIFFITHS-Johnson

22/01/2013

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.

SEAL

Official Signature

Official Title

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 _____