

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>Osamu UJIKAWA</td> <td>12/14/2012</td> </tr> <tr> <td>Kazuaki TAKAMI</td> <td>12/14/2012</td> </tr> <tr> <td>Nobuyuki TAKAKURA</td> <td>12/14/2012</td> </tr> <tr> <td>Nozomu SAKAI</td> <td>12/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Osamu UJIKAWA	12/14/2012	Kazuaki TAKAMI	12/14/2012	Nobuyuki TAKAKURA	12/14/2012	Nozomu SAKAI	12/14/2012
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Nozomu SAKAI	12/14/2012										
RECEIVING PARTY DATA											
Name:	Takeda Pharmaceutical Company Limited										
Street Address:	1-1, Doshomachi 4-chome, Chuo-ku, Osaka-shi,										
City:	Osaka										
State/Country:	JAPAN										
Postal Code:	541-0045										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13810021</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13810021						
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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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NAME OF SUBMITTER:	Kelly Fore										
Total Attachments: 2 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif											

OP \$40.00 13810021

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) Osamu UJIKAWA, Kazuaki TAKAMI, Nobuyuki TAKAKURA and Nozomu SAKAI
of Inventor(s)

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

Insert Name(s) Takeda Pharmaceutical Company Limited
of Assignee(s)

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 RING COMPOUND

for which an application for patent in the United States of America has resulted from International Application Serial No. PCT/JP2011/066153 filed on July 14, 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 2012.12.14, Name of the Inventor Osamu Ujikawa
Osamu UJIKAWA

Date 2012.12.14, Name of the Inventor Kazuaki Takami
Kazuaki TAKAMI

Date 2012.12.14, Name of the Inventor Nobuyuki Takakura
Nobuyuki TAKAKURA

Date 2012.12-14, Name of the Inventor Nozomu Sakai
Nozomu SAKAI

(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 Sho Nomura
Sho NOMURA

Witness Regina Levesque
Regina LEVESQUE

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 _____