

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Haruyuki Nishida	12/27/2010
Yasuyoshi Arikawa	12/27/2010
Ikuro Fujimori	12/27/2010
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<b>City:</b>	Osaka-shi, Osaka
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13061078
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<b>Total Attachments: 2</b> source=88153(46590)Assignment#page1.tif source=88153(46590)Assignment#page2.tif	

CH \$40.00 13061078

ASSIGNMENT

I/We, Haruyuki NISHIDA, Yasuyoshi ARIKAWA and Ikuo FUJIMORI  
(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 PYRROLE COMPOUNDS

\_\_\_\_\_ (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.

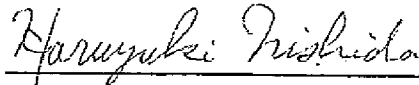
The undersigned agree(s) to execute all papers and documents and to perform any  
act which may be necessary in connection with claims or provisions of the International  
Convention for the Protection of Industrial Property or similar agreements.

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.

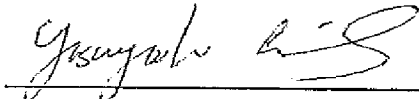
The undersigned hereby authorize(s) and request(s) the Commissioner for Patents to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire 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, Haruyuki NISHIDA, hereunto set my hand and seal this 27th day of December, 2010

  
Haruyuki NISHIDA

I, Yasuyoshi ARIKAWA, hereunto set my hand and seal this 27th day of December, 2010

  
Yasuyoshi ARIKAWA

I, Ikuo FUJIMORI, hereunto set my hand and seal this 27th day of December, 2010

  
Ikuo FUJIMORI