

**PATENT ASSIGNMENT**

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| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT                      |
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                          |
| <b>CONVEYING PARTY DATA</b>  |                                     |
| <b>Name</b>  | <b>Execution Date</b>               |
| Masaji Ishiguro  | 11/05/2009                          |
| <b>RECEIVING PARTY DATA</b>  |                                     |
| <b>Name:</b>   | Pharma Frontier Co., Ltd.           |
| <b>Street Address:</b>   | 448-5 Kajji-cho, Mikurumamichi-tori |
| <b>Internal Address:</b>   | seiwainkuchi-agaru-higasigawa       |
| <b>City:</b>   | Kamigyo-ku, Kyoto-shi, Kyoto        |
| <b>State/Country:</b>  | JAPAN                               |
| <b>Postal Code:</b>  | 602-0841                            |
| <b>PROPERTY NUMBERS Total: 1</b>   |                                     |
| <b>Property Type</b>   | <b>Number</b>                       |
| <b>Application Number:</b>   | 12597281                            |
| <b>CORRESPONDENCE DATA</b>   |                                     |
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| <b>ATTORNEY DOCKET NUMBER:</b>   | ADMIN                               |
| <b>NAME OF SUBMITTER:</b>  | Kathleen A. Tyrrell                 |
| <b>Total Attachments: 3</b><br>source=KUZ0048USNP_asg1#page1.tif<br>source=KUZ0048USNP_asg1#page2.tif<br>source=KUZ0048USNP_asg1#page3.tif |                                     |

OP \$40.00 12597281

A S S I G N M E N T

WHEREAS, we Yoshiyuki Takahara and Masaji Ishiguro of Pharma Frontier Co., Ltd., 448-5, Kajii-cho, Mikurumamichi-tori seiwainkuchi-agaru-higasigawa, Kamigyo-ku, Kyoto-shi, Kyoto 602-0841 Japan and of 16-1, Fukui-cho, Takarazuka-shi, Hyogo 665-0046 Japan, respectively hereinafter referred to as the assignors, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Attorney Docket No. KUZ0048US.NP, entitled **G-Protein-Conjugated Receptor Agonist**; and

WHEREAS, Pharma Frontier Co., Ltd., hereinafter referred to as the assignee, of Kyoto, Japan, a corporation of Japan, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application or any other application based in whole or in part thereon, and in to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee,

its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

Yoshiyuki Takahara (L.S.)  
Yoshiyuki Takahara

Witnessed by

K. Kuzuwa

Dated: October 29, 2009.

Name: Kiyoshi KUZUWA

Address: T&T Bldg., 8F, 8-21, Tomihisa-cho, Shinjuku-ku, Tokyo 1620067  
Japan

(Complete if signing before a notary public)

\_\_\_\_\_  
COUNTY OF \_\_\_\_\_: SS

On this \_\_\_\_ day of \_\_\_\_\_, 200\_\_\_\_, before me personally came the above named **Yoshiyuki Takahara** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that they executed the same of their own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public

Masaji Ishiguro (L.S.)  
Masaji Ishiguro

Witnessed by:

K. Kuzawa

Dated: November 5, 2009

Name: Kiyoshi KUZUWA

Address: T&T Bldg., 8F, 8-21, Tomihisa-cho, Shinjuku-ku, Tokyo 1620067  
Japan

(Complete if signing before a notary public)

\_\_\_\_\_  
: SS  
COUNTY OF \_\_\_\_\_:

On this \_\_\_\_ day of \_\_\_\_\_, 200\_\_\_\_, before me personally came the above named **Masaji Ishiguro** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that they executed the same of their own free will for the use and purposes therein set forth.

\_\_\_\_\_  
Notary Public