PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
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FUMIHIKO ICHIKAWA	10/26/2010

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14036989

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SIGNATURE:	/Karen L. Elbing, Ph.D./	
DATE SIGNED:	02/25/2015	

Total Attachments: 2

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PATENT 503194430 REEL: 035028 FRAME: 0712

ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Masaru Shimizu	Shizuoka	Japan
Fumihiko Ichikawa	Tokyo	Japan

hereby assign to

Full Name of Assignee	State of Incorporation	Business Address
Chugai Pharmaceutical Co., Ltd.	Japan	5-1,Ukima 5-chome, Kita-ku Tokyo, Japan 1158543

and to its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title, and interest throughout the world in the inventions and improvements which are subject of one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Şerial Number
SCREENING METHODS USING G-PROTEIN COUPLED RECEPTORS AND RELATED COMPOSITIONS	January 29, 2010	12/671,429

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, design registrations; and like rights of exclusion, and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment. This assignment also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

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MASARU SHIMIZU	<u> </u>

November, 1,2010

Hiroko Takamurl

Hiroko TAKAMURE

Tunihiho Vchikava

FUMIHIKO ICHIKAWA

October, 26, 20/0

Date

Hiroko Takamure

Witnessed By

Hiroko TAKAMURE

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PATENT REEL: 035028 FRAME: 0714

RECORDED: 02/25/2015