

## PATENT ASSIGNMENT COVER SHEET

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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>
TOMOYUKI IGAWA	12/16/2008
HIROYUKI TSUNODA	12/17/2008
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Chugai Seiyaku Kabushiki Kaisha
<b>Street Address:</b>	5-1, Ukima 5-chome, Kita-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	1158543
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15490936
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<b>NAME OF SUBMITTER:</b>	CATHY A. O'BRIEN
<b>SIGNATURE:</b>	/Cathy A. O'Brien/
<b>DATE SIGNED:</b>	04/24/2017
<b>Total Attachments: 2</b>	
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ASSIGNMENT

For valuable consideration, we, Tomoyuki IGAWA and Hiroyuki TSUNODA, both c/o Chugai Seiyaku Kabushiki Kaisha, 135, Komakado 1-chome, Gotenba-shi, Shizuoka 4128513, Japan; hereby assign to CHUGAI SEIYAKU KABUSHIKI KAISHA, a corporation of Japan, having a place of business at 5-1, Ukima 5-chome, Kita-ku, Tokyo 1158543 Japan, and 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 an application for United States Patent signed by us, entitled METHODS OF MODIFYING ANTIBODIES FOR PURIFICATION OF BISPECIFIC ANTIBODIES, filed September 29, 2008, and assigned U.S. Serial Number 12/295,075, this assignment including 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 name 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.

DATE: Dec 16, 2008 Tomoyuki Igawa  
Tomoyuki IGAWA

Witness: Hiroko TAKAMURE Hiroko Takamura Date: Dec. 16, 2008

Witness: Tomohiko TAKAHASHI Tomohiko Takahashi Date: Dec. 16, 2008

DATE: December 17, 2008 Hiroyuki Tsunoda  
Hiroyuki TSUNODA

Witness: Hiroko TAKAMURE Hiroko Takamura Date: Dec. 17, 2008

Witness: Tomohiko TAKAHASHI Tomohiko Takahashi Date: Dec. 17, 2008

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