

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
<b>CONVEYING PARTY DATA</b>																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tomoyuki Igawa</td> <td>06/24/2013</td> </tr> <tr> <td>Zenjiro Sampei</td> <td>07/01/2013</td> </tr> <tr> <td>Tetsuo Kojima</td> <td>07/09/2013</td> </tr> <tr> <td>Tetsuhiro Soeda</td> <td>06/24/2013</td> </tr> <tr> <td>Atsushi Muto</td> <td>06/24/2013</td> </tr> <tr> <td>Takehisa Kitazawa</td> <td>06/24/2013</td> </tr> <tr> <td>Yukiko Nishida</td> <td>06/26/2013</td> </tr> <tr> <td>Chifumi Imai</td> <td>08/14/2013</td> </tr> <tr> <td>Tsukasa Suzuki</td> <td>06/24/2013</td> </tr> <tr> <td>Kazutaka Yoshihashi</td> <td>06/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tomoyuki Igawa	06/24/2013	Zenjiro Sampei	07/01/2013	Tetsuo Kojima	07/09/2013	Tetsuhiro Soeda	06/24/2013	Atsushi Muto	06/24/2013	Takehisa Kitazawa	06/24/2013	Yukiko Nishida	06/26/2013	Chifumi Imai	08/14/2013	Tsukasa Suzuki	06/24/2013	Kazutaka Yoshihashi	06/21/2013
Name	Execution Date																						
Tomoyuki Igawa	06/24/2013																						
Zenjiro Sampei	07/01/2013																						
Tetsuo Kojima	07/09/2013																						
Tetsuhiro Soeda	06/24/2013																						
Atsushi Muto	06/24/2013																						
Takehisa Kitazawa	06/24/2013																						
Yukiko Nishida	06/26/2013																						
Chifumi Imai	08/14/2013																						
Tsukasa Suzuki	06/24/2013																						
Kazutaka Yoshihashi	06/21/2013																						
<b>RECEIVING PARTY DATA</b>																							
Name:	Chugai Seiyaku Kabushiki Kaisha																						
Street Address:	5-1, Ukima 5-chome, Kita-ku																						
City:	Tokyo																						
State/Country:	JAPAN																						
Postal Code:	1158543																						
<b>PROPERTY NUMBERS Total: 1</b>																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13885421</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13885421																		
Property Type	Number																						
Application Number:	13885421																						
<b>CORRESPONDENCE DATA</b>																							
Fax Number:	8777697945																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
Phone:	617-542-5070																						
Email:	apsi@fr.com																						
Correspondent Name:	Janis K. Fraser, Ph.D., J.D.																						
Address Line 1:	FISH & RICHARDSON P.C.																						

CH \$40.00 13885421

Address Line 2: P.O. BOX 1022  
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	14875-0224US1
NAME OF SUBMITTER:	Cathy A. O'Brien
Signature:	/Cathy A. O'Brien/
Date:	08/26/2013

Total Attachments: 5  
source=14875-0224US1\_Asst#page1.tif  
source=14875-0224US1\_Asst#page2.tif  
source=14875-0224US1\_Asst#page3.tif  
source=14875-0224US1\_Asst#page4.tif  
source=14875-0224US1\_Asst#page5.tif

ASSIGNMENT

For valuable consideration, we, TOMOYUKI IGAWA, ZENJIRO SAMPEI, TETSUO KOJIMA, TETSUHIRO SOEDA, ATSUSHI MUTO, TAKEHISA KITAZAWA, YUKIKO NISHIDA, CHIFUMI IMAI, TSUKASA SUZUKI, and KAZUTAKA YOSHIHASHI, all c/o Chugai Seiyaku Kabushiki Kaisha, 135, Komakado 1-chome, Gotemba-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 MULTI-SPECIFIC ANTIGEN-BINDING MOLECULE HAVING ALTERNATIVE FUNCTION TO FUNCTION OF BLOOD COAGULATION FACTOR VIII, filed 5/15/2013 and assigned U.S. Serial Number 13/885,421, 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: June 24, 2013 *Tomoyuki Igawa*  
TOMOYUKI IGAWA

Witnessed by:

Name: *Izumi Harada* Date: June 24, 2013  
Izumi HARADA

Name: *A. Yamaguchi* Date: June 24, 2013  
Atsushi; YAMAGUCHI

Date: July 1, 2013 *Zenjiro Sampei*  
ZENJIRO SAMPEI

Witnessed by:

Name: *Yoshihiko Ruike* Date: July 1, 2013  
Yoshihiko RUIKE

Name: *Atsushi Takakura* Date: July 1, 2013  
Atsushi; TAKAKURA

Date: July 9, 2013 *Tetsuo Kojima*  
TETSUO KOJIMA

Witnessed by:

Name: *Izumi Harada* Date: July 9, 2013  
Izumi HARADA

Name: *A. Yamaguchi* Date: July 9, 2013  
Atsushi; YAMAGUCHI

Date: June 24, 2013 Tetsuhiro Soeda  
TETSUHIRO SOEDA

Witnessed by:

Name: Izumi Harada Date: June 24, 2013  
Izumi HARADA

Name: A. Yamaguchi Date: June 24, 2013  
Atsushi YAMAGUCHI

Date: June 24, 2013 Atsushi Muto  
ATSUSHI MUTO

Witnessed by:

Name: Izumi Harada Date: June 24, 2013  
Izumi HARADA

Name: A. Yamaguchi Date: June 24, 2013  
Atsushi YAMAGUCHI

Date: June 24, 2013 Takehisa Kitazawa  
TAKEHISA KITAZAWA

Witnessed by:

Name: Izumi Harada Date: June 24, 2013  
Izumi HARADA

Name: A. Yamaguchi Date: June 24, 2013  
Atsushi YAMAGUCHI

Date: June 26, 2013

Yukiko Nishida  
YUKIKO NISHIDA

Witnessed by:

Name: Izumi Harada  
Izumi HARADA

Date: June 26, 2013

Name: Atsushi Yamaguchi  
Atsushi YAMAGUCHI

Date: June 26, 2013

Date: August 14, 2013

Chifumi Imai  
CHIFUMI IMAI

Witnessed by:

Name: Shunshuke Imai  
shunshuke Imai

Date: August 14, 2013

Name: Takeshi Matsuyama  
Takeshi Matsuyama

Date: August 14, 2013

Date: June 24, 2013

Tsukasa Suzuki  
TSUKASA SUZUKI

Witnessed by:

Name: Izumi Harada  
Izumi HARADA

Date: June 24, 2013

Name: Atsushi Yamaguchi  
Atsushi YAMAGUCHI

Date: June 24, 2013

Date: June 21, 2013

Kazutaka Yoshihashi  
KAZUTAKA YOSHIHASHI

Witnessed by:

Name: Izumi Harada  
Izumi HARADA

Date: June 21, 2013

Name: Atsushi Yamaguchi  
Atsushi YAMAGUCHI

Date: June 21, 2013

23039661.doc