

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Reiko Irie</td><td>01/04/2007</td></tr><tr><td>Hiroyuki Tsunoda</td><td>09/06/2006</td></tr><tr><td>Tomoyuki Igawa</td><td>09/15/2006</td></tr><tr><td>Yasuo Sekimori</td><td>09/04/2006</td></tr><tr><td>Masayuki Tsuchiya</td><td>09/01/2006</td></tr></tbody></table>	Name	Execution Date	Reiko Irie	01/04/2007	Hiroyuki Tsunoda	09/06/2006	Tomoyuki Igawa	09/15/2006	Yasuo Sekimori	09/04/2006	Masayuki Tsuchiya	09/01/2006	
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RECEIVING PARTY DATA													
Name:	Chugai Seiyaku Kabushiki Kaisha												
Street Address:	5-1, Ukima 5-chome												
Internal Address:	Kita-ku												
City:	Tokyo												
State/Country:	JAPAN												
Postal Code:	115-8543												
PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12727162</td></tr></tbody></table>	Property Type	Number	Application Number:	12727162									
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CORRESPONDENCE DATA													
Fax Number: (877)769-7945													
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PATENT
REEL: 024129 FRAME: 0120

CH \$40.00 12727162

NAME OF SUBMITTER:

Nancy Bechet

Total Attachments: 4

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ASSIGNMENT

For valuable consideration, we, REIKO IRIE of 17624 Tramonto Drive, Pacific Palisades, California 90272, U.S.A.; HIROYUKI TSUNODA and TOMOYUKI IGAWA, both c/o Chugai Seiyaku Kabushiki Kaisha, 135, Komakado 1-chome, Gotenba-shi, Shizuoka 412-0038 Japan; YASUO SEKIMORI, c/o Chugai Seiyaku Kabushiki Kaisha, 5-1, Ukima 5-chome, Kita-ku, Tokyo 115-8543, Japan; and MASAYUKI TSUCHIYA, c/o Chugai Seiyaku Kabushiki Kaisha, 1-1 Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8324, 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 115-8543 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 IgM PRODUCTION BY TRANSFORMED CELL AND METHOD OF QUANTIFYING THE SAME, filed 1/13/2006, and assigned U.S. Serial Number 10/564,665; 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.

This assignment is subject to the Memorandum of May 16, 2005, executed by REIKO IRIE and the Assignee.

Date: January 4, 2007 
REIKO IRIE

Witnessed by:

Name: Stimelio Leole Date: January 4, 2007

Name: Shuji Sumida Date: January 4, 2007

Date: September 6, 2006 
HIROYUKI TSUNODA

Witnessed by:

Name: Hiroko Takamure Date: September 6, 2006
HIROKO TAKAMURE

Name: Keiko Kuzuno Date: September 6th, 2006
KEIKO KUZUNO

Date: September 15, 2006

TomoYuki Igawa
TOMOYUKI IGAWA

Witnessed by:

Name: Hiroko Takamure
HIROKO TAKAMURE

Date: September 15, 2006

Name: Keiko Kuzuno
KEIKO KUZUNO

Date: September 15th, 2006

Date: September 4, 2006

Yasuo Sekimori
YASUO SEKIMORI

Witnessed by:

Name: Hiroko Takamure
HIROKO TAKAMURE

Date: September 4, 2006

Name: Keiko Kuzuno
KEIKO KUZUNO

Date: September 4th, 2006

Date: September 1, 2006

Masayuki Tsuchiya
MASAYUKI TSUCHIYA

Witnessed by:

Name: Hiroko Takamure
HIROKO TAKAMURE

Date: September 1, 2006,

Name: Keiko Kuzuno
KEIKO KUZUNO

Date: September 1st, 2006

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