

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|--|---------------------------------|---------------|---------------------------------|---------------------|-----------------------------|-------------|------------|----------------|------------|--------------|---------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mitsuo Okubo</td> <td>12/04/2007</td> </tr> <tr> <td>Hiroo Maeda</td> <td>12/04/2007</td> </tr> <tr> <td>Satoru Takeda</td> <td>12/11/2007</td> </tr> </tbody> </table> | | Name | Execution Date | Mitsuo Okubo | 12/04/2007 | Hiroo Maeda | 12/04/2007 | Satoru Takeda | 12/11/2007 | | |
| Name | Execution Date | | | | | | | | | | |
| Mitsuo Okubo | 12/04/2007 | | | | | | | | | | |
| Hiroo Maeda | 12/04/2007 | | | | | | | | | | |
| Satoru Takeda | 12/11/2007 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Chugai Seiyaku Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>5-1, Ukima 5-chome, Kita-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>1158543</td> </tr> </table> | | Name: | Chugai Seiyaku Kabushiki Kaisha | Street Address: | 5-1, Ukima 5-chome, Kita-ku | City: | Tokyo | State/Country: | JAPAN | Postal Code: | 1158543 |
| Name: | Chugai Seiyaku Kabushiki Kaisha | | | | | | | | | | |
| Street Address: | 5-1, Ukima 5-chome, Kita-ku | | | | | | | | | | |
| City: | Tokyo | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | |
| Postal Code: | 1158543 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11910129</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 11910129 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 11910129 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (877)769-7945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-542-5070 Email: cao@fr.com</p> <p>Correspondent Name: Janis K. Fraser, Ph.D., J.D. Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O. BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 14875-0180US1 | | | | | | | | | | |
| NAME OF SUBMITTER: | Cathy A. O'Brien | | | | | | | | | | |
| <p>Total Attachments: 3 source=0180US1asst#page1.tif</p> | | | | | | | | | | | |

CH \$40.00 11910129

500726426

PATENT
REEL: 021954 FRAME: 0957

source=0180US1asst#page2.tif
source=0180US1asst#page3.tif

ASSIGNMENT

For valuable consideration, we, Mitsuo Okubo, Hiroo Maeda and Satoru Takeda, all c/o Transfusion Medicine and Cell Therapy, Saitama Medical Center, Saitama Medical School, 1981 Tsujido-machi, Kamoda, Kawagoe-shi, Saitama 3508550 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 CANCER-ASSOCIATED ANTIGEN ANALOGUE PEPTIDES AND USES THEREOF, filed September 28, 2007, and assigned U.S. Serial Number 11/910,129, 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, 4, 2007

Mitsuo Okubo
MITSUO OKUBO

Witnessed by:

Name: Masahiro Anan
Dec, 4, 2007 M.A.
MASAHIRO ANAN Saitama, Japan

Date: Dec. 4, 2007

Name: Yasufumi Suzuki
YASUFUMI SUZUKI Saitama, Japan

Date: Dec. 4, 2007

DATE: Dec 4, 2007

Hiroyo Maeda
HIROYO MAEDA

Witnessed by:

Name: Masahiro Anan
MASAHIRO ANAN Saitama, Japan

Date: Dec. 4, 2007

Name: Yasufumi Suzuki
YASUFUMI SUZUKI Saitama, Japan

Date: Dec. 4, 2007

DATE: Dec 11, 2007

Satoru Takeda
SATORU TAKEDA

Witnessed by:

Name: Shin Suga
Shin Suga

Date: Dec 11, 2007

Name: Iwaho Kikuchi
Iwaho Kikuchi

Date: Dec 11, 2007

21753866.doc

Assignment Page 3 of 3