

## 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>
EISAI CO., LTD.	01/10/2007
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	EISAI R&D MANAGEMENT CO., LTD.
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<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	112-8088
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13840851
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	CAROL TYRRELL
<b>SIGNATURE:</b>	/Carol Tyrrell/
<b>DATE SIGNED:</b>	09/03/2015
<b>Total Attachments: 1</b>	
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ASSIGNMENT

WHEREAS, Eisai Co., Ltd. of 6-10, Koishikawa 4-chome, Bunkyo-ku, Tokyo, 112-8088, Japan, hereinafter referred to as "ASSIGNOR," is the owner of all rights in certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: METHODS FOR DETECTING TH1 CELLS

Filing Date:

Application No.: 11/568,435

U.S. National Phase of International Application No.: PCT/JP2005/008150

International Filing Date: April 28, 2005

WHEREAS, EISAI R&D MANAGEMENT CO., LTD. of 6-10, Koishikawa 4-chome, Bunkyo-ku, Tokyo, 112-8088, Japan, hereinafter referred to as "ASSIGNEE," wants to acquire an interest in the invention and application and in any Letters Patent and Registrations that may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, this Assignment is executed this 10<sup>th</sup> day of January, 2007.

BY: Nobuo Deguchi  
Nobuo Deguchi  
Eisai Co., Ltd.  
Title: Senior Vice President, Intellectual Property