# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
FRANCIS G. FANG	11/24/2014
DAE-SHIK KIM	11/24/2014
HYEONG-WOOK CHOI	11/28/2014
CHARLES E. CHASE	11/24/2014
JAEMOON LEE	11/24/2014

### **RECEIVING PARTY DATA**

Name:	EISAI R&D MANAGEMENT CO., LTD.	
Street Address:	6-10, KOISHIKAWA 4-CHOME	
City:	BUNKYO-KU, TOKYO	
State/Country:	JAPAN	
Postal Code:	112-8088	

# **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17188819

## **CORRESPONDENCE DATA**

**Fax Number:** (617)428-7045

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** (617) 428-0200

**Email:** patentadmin@clarkelbing.com

Correspondent Name: CLARK & ELBING LLP
Address Line 1: 101 FEDERAL STREET

Address Line 2: 15TH FLOOR

Address Line 4: BOSTON, MASSACHUSETTS 02110

ATTORNEY DOCKET NUMBER:	04520-144006	
NAME OF SUBMITTER:	J. COOPER MCDONALD, PH.D.	
SIGNATURE:	/J. Cooper McDonald, Ph.D./	
DATE SIGNED:	03/02/2022	

Total Attachments: 3

PATENT REEL: 059147 FRAME: 0885 source=04520-144006 Executed Assignment#page1.tif source=04520-144006 Executed Assignment#page2.tif source=04520-144006 Executed Assignment#page3.tif

PATENT REEL: 059147 FRAME: 0886

### ASSIGNMENT

For valuable consideration, we,

Full Name of Assignor	City	State (and Country if not USA)
Francis G. FANG	Andover	MA
Dae-Shik KIM	Andover	MA
Hyeong-Wook CHOI	Andover	MA
Charles E. CHASE	Londonderry	NH
Jaemoon Lee	Andover	MA

### hereby assign to

Full Name of Assignee	Business Address
Eisai R&D Management Co., Ltd.	6-10, Koishikawa 4-chome Bunkyo-Ku, Tokyo 112-8088 Japan

and to 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 one or more applications for United States Patent signed by us, identified as:

Title of Application	Filing Date	Serial Number
MACROCYCLIZATION REACTIONS AND INTERMEDIATES AND OTHER FRAGMENTS USEFUL IN THE SYNTHESIS OF ANALOGS OF HALICHONDRIN B	November 4, 2014	PCT/US2014/63960

and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment includes 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 names 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 also includes the right to sue for past acts of infringement, whether based on any patents listed herein, patents issuing from applications listed herein, or provisional rights from any patent applications listed herein.

Francis G. FANG	1//24/14 Date
Witness:	
Signature Shusants	
Printed name	
Dae-Shik KIM	11/24/2014 Date
Witness:	
Signature Standard	Date
Mary M Schwartz Printed name	
Hyeong-Wook CHOI	Date 1/28/2014
Witness:	
Signature Showards	11   28   14 Date
Mary M Schwartz Printed name	

Charles E. CHASE	11-24-2014 Date
Witness:	
Signature Schoons	Date 04114
Mary M Schwart. Printed dame	
Jaemoon Lee	11/24, 2014 Date
Witness:	
Signature of Schwarz	Date 12414
Mary M Schwartz	