PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4990584

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN HITCHCOCK	05/24/2017
MARIA HOPKINS	05/24/2017
SHOTA KIKUCHI	05/24/2017
HOLGER MONENSCHEIN	07/07/2017
HOLLY REICHARD	05/24/2017
HUIKAI SUN	05/24/2017

RECEIVING PARTY DATA

Name:	TAKEDA CALIFORNIA, INC.
Street Address:	10410 SCIENCE CENTER DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15979069

CORRESPONDENCE DATA

Fax Number: (858)550-0992

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: (858) 622-8528

Email: tsd.docket@takedasd.com **Correspondent Name:** TAKEDA CALIFORNIA, INC. Address Line 1: 10410 SCIENCE CENTER DRIVE Address Line 4: SAN DIEGO, CALIFORNIA 92121

ATTORNEY DOCKET NUMBER:	GPR6-5004-WO-USD1
NAME OF SUBMITTER:	MATTHEW J RUSSO
SIGNATURE:	/Matthew J Russo/
DATE SIGNED:	06/04/2018

Total Attachments: 4

PATENT REEL: 045982 FRAME: 0935

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PATENT REEL: 045982 FRAME: 0936

ASSIGNMENT

WHEREAS, I/WE

Stephen Hitchcock, Maria Hopkins, Shota Kikuchi, Holger Monenschein, Holly Reichard and Huikai Sun referred to as Assignor(s), have, on or after April 1, 2013, invented a certain invention entitled:

PYRAZINES MODULATORS OF GPR6

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on August 11, 2016, under U.S. Application No. 15/118,461, and

WHEREAS, **Takeda California**, **Inc.** of 10410 Science Center Drive, San Diego, California 92121, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title, and interest in, to, and under the invention described in the patent application, including the entire priority right derived from the application,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

Assignor(s) assign and transfer to Assignee and Assignee's legal representatives, successors, and assigns the entire right, title, and interest in, to, and under the invention, the referenced patent application, and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, national and regional phase applications, petty patent applications, and utility model applications) that may be filed in the U.S. and/or any country foreign to the U.S. on the invention, and the patents that may issue thereon,

Assignor(s) convey to the Assignee the right to make applications in Assignee's own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim priority to the referenced patent application and other such applications that may be filed in the U.S. or any country foreign to the U.S. on the invention under the Patent Cooperation Treaty, the Paris Convention, and any other international arrangements,

Assignor(s) will not execute any writing or do any act conflicting with the terms of this assignment,

Assignor(s) will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to pursue the patent applications identified herein, including, but not limited to, rendering all necessary assistance in making applications for and obtaining patents that may issue thereon in the U.S. and any countries foreign to the U.S. on the invention, and in enforcing any rights accruing as a result of such applications or patents, by, for example, executing statements and other affidavits,

Assignor(s) and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Page 1 of 2

Assignor(s) authorize Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor(s) and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date	5/24/17		
		Assignor: Stephen Hitchcock	~~~~
Date			
		Assignor: Maria Hopkins	
Date			
		Assignor: Shota Kikuchi	
Date			~~~
		Assignor: Holger Monenschein	
Date			***************************************
		Assignor: Holly Reichard	
Date			***************************************
		Assignor: Huikai Sun	

Assignor(s) authorize Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor(s) and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date	
Date <u>5-24-2017</u>	Assignor: Steve Hitchcock Marie Li
Date 5/24/2017	Assignor: Maria Hopkins Assignor: Shota Kikuchi
Date 6/09/207	Assignor: Holger Monenschein
Date <u> </u>	Assignor: Holly Reichard
Date 5/24/17	Assignor: Huikai Sun

Docket No. GPR6-5004-WOUS

U.S. Application No.: 15/118,461

Assignor(s) and Assignee agree the terms of this assignment shall bind, and inure to the benefit of, the legal representatives, successors, and assigns of all parties hereto,

Assignor(s) authorize Assignee to insert in this assignment the number and filing date of the application if the number and filing date of the application are not recited herein at the time of execution of this assignment by any or all of the parties hereto,

Assignor(s) and Assignee agree that U.S. law governs this assignment, and

Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

IN WITNESS WHEREOF, Assignor has hereunder set his/her hand on the date shown below.

Date	
	Assignor: Stephen Hitchcock
Date	
	Assignor: Maria Hopkins
Date	
Date <u>07/07/20 (7</u>	Assignor: Shota Kikuchi Assignor: Holger Monenschein
Date	A mains was TX ask a XN aid to a wall
Note:	Assignor: Holly Reichard
Date	Assignor: Huikai Sun
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