

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3438540

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
GYORGY PAL SNELL	12/20/2011
<b>RECEIVING PARTY DATA</b>	
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<b>Postal Code:</b>	94080
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13977207
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<b>ATTORNEY DOCKET NUMBER:</b>	101588-5008-US
<b>NAME OF SUBMITTER:</b>	LEONOR RIVERA-HUERTA
<b>SIGNATURE:</b>	/LEONOR RIVERA-HUERTA/
<b>DATE SIGNED:</b>	07/14/2015
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

WHEREAS, **I, Gyorgy Pal Snell**, a citizen of the United States of America, hereinafter referred to as Assignor(s), have invented a certain invention entitled:

### THERAPEUTIC USES OF ANTI-CD38 ANTIBODIES

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on 11 May 2010, under U.S. Application No. 61/485,104 and

WHEREAS, **Takeda San Francisco, Inc.**, 285 East Grant Avenue, South San Francisco, California 94080, 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,

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,

In re App. No. 61/485,104  
Docket No. CD38-5004-P

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

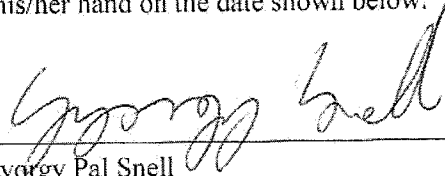
Assignee acknowledges and accepts this assignment, as evidenced by the signature of an officer or authorized representative of Assignee below.

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

Date

12/20/2011

Assignor: Gyorgy Pal Snell

A handwritten signature in cursive script, appearing to read "Gyorgy Pal Snell", written over a horizontal line.