

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kathleen Ann Elias</td> <td>03/12/2012</td> </tr> <tr> <td>Gregory Landes</td> <td>03/12/2012</td> </tr> <tr> <td>Shweta Singh</td> <td>03/16/2012</td> </tr> <tr> <td>Wouter Korver</td> <td>03/12/2012</td> </tr> <tr> <td>Andrew Walling-Drake</td> <td>03/14/2012</td> </tr> <tr> <td>Mary Haak-Frendscho</td> <td>03/19/2012</td> </tr> <tr> <td>Gyorgy Pal Snell</td> <td>03/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kathleen Ann Elias	03/12/2012	Gregory Landes	03/12/2012	Shweta Singh	03/16/2012	Wouter Korver	03/12/2012	Andrew Walling-Drake	03/14/2012	Mary Haak-Frendscho	03/19/2012	Gyorgy Pal Snell	03/12/2012
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<table border="1"> <tr> <td>Name:</td> <td>Takeda California, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>10410 Science Center Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	Takeda California, Inc.	Street Address:	10410 Science Center Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121						
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CORRESPONDENCE DATA																	
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Correspondent Name:	Robin M. Silva, J.D.																
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Address Line 2:	One Market, Spear Street Tower																
Address Line 4:	San Francisco, CALIFORNIA 94105																

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ATTORNEY DOCKET NUMBER:	101588-5005-US
NAME OF SUBMITTER:	Leonor Rivera-Huerta
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ASSIGNMENT

WHEREAS, I/WE

Kathleen Ann Elias, Gregory Landes, Shweta Singh, Wouter Korver,
Andrew Walling Drake, Mary Haak-Frendscho and Gyorgy Pall Snell

hereinafter referred to as Assignor(s), have invented a certain invention entitled:

ANTI-CD38 ANTIBODIES

for which invention an application (provisional or non-provisional) for a U.S. patent was filed on 30 December 2010, under U.S. Application No. 13/341,860 and

WHEREAS, Takeda California, Inc., 10410 Science Center Drive, 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,

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 <u>3/12/2012</u>	<u>Kat Ann Elias</u> Assignor: Kathleen Ann Elias
Date <u>3/12/2012</u>	<u>Gregory Landes</u> Assignor: Gregory Landes
Date <u>3/16/2012</u>	<u>Shweta Singh</u> Assignor: Shweta Singh
Date <u>3/12/2012</u>	<u>Wouter Korver</u> Assignor: Wouter Korver
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Date <u>3/19/2012</u>	<u>Mary Haak-Frendscho</u> Assignor: Mary Haak-Frendscho
Date <u>3/12/12</u>	<u>Gyorgy Pal Snell</u> Assignor: Gyorgy Pal Snell