

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Sarkis K. Mazmanian</td> <td>10/24/2012</td> </tr> <tr> <td>Sung-Eun Lee</td> <td>10/24/2012</td> </tr> <tr> <td>Dennis L. Kasper</td> <td>04/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sarkis K. Mazmanian	10/24/2012	Sung-Eun Lee	10/24/2012	Dennis L. Kasper	04/19/2013				
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<table border="1"> <tr> <td>Name:</td> <td>California Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>1200 E. California Blvd.</td> </tr> <tr> <td>Internal Address:</td> <td>MC 210-85</td> </tr> <tr> <td>City:</td> <td>Pasadena</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>91125</td> </tr> </table>		Name:	California Institute of Technology	Street Address:	1200 E. California Blvd.	Internal Address:	MC 210-85	City:	Pasadena	State/Country:	CALIFORNIA	Postal Code:	91125
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CORRESPONDENCE DATA													
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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ATTORNEY DOCKET NUMBER: 7920-112

NAME OF SUBMITTER: Miles Yamanaka

Signature: /Miles Yamanaka/

Date: 04/22/2013

Total Attachments: 2  
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source=7920112Assignment#page2.tif

ASSIGNMENT

CalTech Case No. CIT-5950

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR,

I, Dennis L. KASPER

hereby sells, assigns and transfers to ASSIGNEE, The Brigham and Women's Hospital, Inc., a \_\_\_\_\_ corporation, having its statewide offices located at 75 Francis Street, Boston, Massachusetts 02115, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: **GENERATION OF PSA-ONLY PRODUCING MUTANT STRAIN**

U. S. Application Serial No. 13/573,695 filed on October 3, 2012, and

and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;

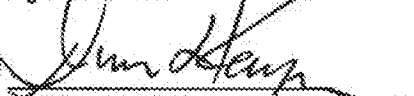
ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and document relating to said invention and said Letters patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.

AND the ASSIGNOR requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Brigham and Women's Hospital, Inc., executed this

1<sup>st</sup> day of April, 2013

Signature of Inventor

  
Dennis L. KASPER

Assignee hereby accepts this Assignment: \_\_\_\_\_

Date: \_\_\_\_\_

7920-112

ASSIGNMENT

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For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS,

1. Sarkis K. MAZMANIAN      2. Sung-Eun LEE

hereby sell, assign and transfer to ASSIGNEE, California Institute of Technology, a California Corporation, having its statewide administrative offices located at 1200 E. California Blvd., MC 210-85, Pasadena, California 91125, and the successors, assigns and legal representatives of the ASSIGNEE all of its right, title and interest for the United States and its territorial possessions and in all foreign countries in and to, any and all improvements which are disclosed in the invention entitled: **GENERATION OF PSA-ONLY PRODUCING MUTANT STRAIN**

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Signature of Inventors

24 day of October, 2012

Sarkis K. MAZMANIAN

24 day of October, 2012

Sung-Eun LEE

Assignee hereby accepts this Assignment: \_\_\_\_\_

Date: \_\_\_\_\_

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