

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John E. Dueber</td> <td>09/28/2010</td> </tr> <tr> <td>Jay D. Keasling</td> <td>09/28/2010</td> </tr> <tr> <td>Gabriel C. Wu</td> <td>10/02/2010</td> </tr> <tr> <td>Ghulam Reza Khan Malmirchegini</td> <td>10/02/2010</td> </tr> </tbody> </table>		Name	Execution Date	John E. Dueber	09/28/2010	Jay D. Keasling	09/28/2010	Gabriel C. Wu	10/02/2010	Ghulam Reza Khan Malmirchegini	10/02/2010
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<b>RECEIVING PARTY DATA</b>											
Name:	The Regents of the University of California										
Street Address:	1111 Franklin Street										
Internal Address:	Twelfth Floor										
City:	Oakland										
State/Country:	CALIFORNIA										
Postal Code:	94607-5200										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12918725</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12918725						
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<b>CORRESPONDENCE DATA</b>											
Fax Number:	(650)327-3231										
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NAME OF SUBMITTER:	Deneene Mariscal										

OP \$40.00 12918725

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**PATENT  
 REEL: 025130 FRAME: 0822**

Total Attachments: 1

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ASSIGNMENT

U.C. Case No. B08-090-3

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

- 1. John E. Doeber
2. Jay D. Kealing
3. Gabriel C. Wu
4. Ghulam Reza Khan Malmirchegini

hereby sell(s), assign(s) and transfer(s) to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, Twelfth Floor, Oakland, CA 94607-5200, 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:

"Use of Synthetic Scaffolds for the Production of Biotransformed Products"

and which is found in

- (a) U.S. Provisional Application filed herewith and listing the above named persons as inventors
(b) U.S. Patent Application filed herewith and listing the above named persons as inventors
(c) X PCT International Application No. PCT/US2009/035274 designating the United States, filed on February 26, 2009
(d) U.S. Patent No., issued

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, conversion to 35 USC 111(a) 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(S) hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) 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(S) request(s) 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 Regents of the University of California.

executed this Signature of Inventor(s)

- 1) 9/28 2010 Date Year John E. Doeber
2) 29 Sept 2010 Date Year Jay D. Kealing
3) 2 Oct 2010 Date Year Gabriel C. Wu
4) 10/02 2010 Date Year Ghulam Reza Khan Malmirchegini