### 502138711 11/26/2012

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### CONVEYING PARTY DATA

Name	Execution Date
Howard H. Chou	10/11/2012
Jay D. Keasling	09/14/2012

#### RECEIVING PARTY DATA

Name:	The Regents of the University of California
Street Address:	1111 Franklin Street
Internal Address:	12th Floor
City:	Oakland
State/Country:	CALIFORNIA
Postal Code:	94607-5200

#### PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2012055165

#### CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	EIB3112PCT (77429-851967)
NAME OF SUBMITTER:	Sharon Kay Reineman

#### Total Attachments: 4

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PATENT REEL: 029346 FRAME: 0470 40.00 US201205516



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

Howard H. Chou Residing at 1797 Shattuck Avenue, #406

Berkeley, CA 94709

Jay D. Keasling Residing at 828 Contra Costa Ave.

Berkeley, CA 94707

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 at 1111 Franklin Street, 12<sup>TH</sup> 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:

TITLE: Methods For Increasing Production Of 3-Methyl-2-Butenol Using Fusion Proteins

and which is found in U.S. patent application serial no. PCT/US2012/055165 filed on 13-Sep-2012

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;

<u>ASSIGNOR(S)</u> 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(S) further covenants 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 and will testify as to the same in any interference, post grant review, inter parties review, 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 necessary or desirable to carry out the purposes thereof. Any 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.

PATENT REEL: 029346 FRAME: 0471



AND the <u>ASSIGNOR(S)</u> 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 Regents of The University of California.

Executed this:	Signature of Inventor:
11 day of <u>October</u> , 2012	Howard H. Chou
Executed this:	Signature of Inventor:
day of, 2012	Jay D. Keasling

Hereby Accepted on behalf of The Regents of the University of California

Signature Lawn Kay Reineman

Name Sharon Kay Reineman

Title Patent Admin, LBNL

Date 10/11/2012



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

Howard H. Chou

Residing at

1797 Shattuck Avenue, #406

Berkeley, CA 94709

Jay D. Keasling

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TITLE:

Methods For Increasing Production Of 3-Methyl-2-Butenol Using Fusion

Proteins

and which is found in U.S. patent application serial no. PCT/US2012/055165 filed on 13-Sep-2012

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(S) 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(S) further covenants 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 and will testify as to the same in any interference, post grant review, inter parties review, 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 necessary or desirable to carry out the purposes thereof. Any 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.

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AND the <u>ASSIGNOR(S)</u> 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 Regents of The University of California.

Executed this:	Signature of Inventor:	
day of	, 2012	
a)	Howard H. Chou	*************
Executed this:	Signature of Inventor:	
14 day of SEPTE	M BER, 2012 Reading	_

Hereby Accepted on behalf of The Regents of the University of California

Signature Sharon Kay Reineman

Name Sharon Kay Reineman

Title Patont Admin, LBNL

Date 11/26/2012

PATENT REEL: 029346 FRAME: 0474

**RECORDED: 11/26/2012**