## PATENT ASSIGNMENT COVER SHEET

# Electronic Version v1.1 Stylesheet Version v1.2

### EPAS ID: PAT2608601

	:	NEW ASSIGNMENT		
NATURE OF CONVI	EYANCE:	ASSIGNMENT		
CONVEYING PART	Y DATA			
		Name	Execution Date	
JOHN E. DUEBER			10/29/2013	
JAY D. KEASLING			11/01/2013	
GABRIEL C. WU			10/30/2013	
GHULAM REZA K. MALMIRCHEGINI			10/25/2013	
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PROPERTY NUMBE		Number		
	Туре	Number 12918725		
Property	Type			
Property Application Number	Type			
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Property Application Number CORRESPONDENC Fax Number: Phone: Email: <i>Correspondence will</i> Correspondent Nam Address Line 1:	Type : :E DATA (650 650 hall 1 be sent via US e: PAL 190 SUI	12918725 )327-3231 3273400 Dozpat.com <i>Mail when the email attempt is unsuccessful.</i> LA A. BORDEN D UNIVERSITY AVENUE		
Property Application Number CORRESPONDENC Fax Number: Phone: Email: <i>Correspondence will</i> Correspondent Nam Address Line 1: Address Line 2:	Type : :E DATA (650 650 hall / be sent via US e: PAU 190 SUI EAS	12918725 )327-3231 3273400 Dozpat.com <i>Mail when the email attempt is unsuccessful.</i> LA A. BORDEN D UNIVERSITY AVENUE TE 200		
Property Application Number CORRESPONDENC Fax Number: Phone: Email: <i>Correspondence will</i> Correspondent Nam Address Line 1: Address Line 2: Address Line 4:	Type : E DATA (650 650 hall 1 be sent via US e: PAL 190 SUI EAS T NUMBER:	12918725 )327-3231 )273400 Dozpat.com <i>Mail when the email attempt is unsuccessful.</i> LA A. BORDEN D UNIVERSITY AVENUE TE 200 T PALO ALTO, CALIFORNIA 94303		

Signature:	/Paula A. Borden, Reg. No. 42,344/	
Date:	11/08/2013	
Total Attachments: 4   source=BERK-081-Executed_Assignment#page1.tif   source=BERK-081-Executed_Assignment#page2.tif   source=BERK-081-Executed_Assignment#page3.tif   source=BERK-081-Executed_Assignment#page4.tif		

#### **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. Dueber	2.	Jay D. Keasling
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 Biosynthetic Pathway Products"

and which is found in

executed this

Signature of Inventor(s)

(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) <u>XX</u>	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 III(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;

<u>ASSIGNOR(S)</u> 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;

<u>ASSIGNOR(S)</u> 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 <u>ASSIGNOR(S)</u> 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.

Date	Year	 John E. Dueber
Date	Year	 Jay D. Keasling
Date	Year	 Gabriel C. Wu
Date	Year	 Ghulam Reza Khan Malmirchegir
	. 041	DATENT

PATENT REEL: 031569 FRAME: 0159

ASSIGNMENT Any Docket No.: BERK-081 UC Case No.: BK-2008-090-2 Executed this Signature of Inventor(s) 29th day of October 2013 John E. Dueber Jay IX Keasl day of Octuber 30 . 2013 Gabriel C. Wu Ohulam Reza K. Malmirchegini Assignee hereby accepts this Assignment: Name Title Dute Page 2 of 2

### PATENT REEL: 031569 FRAME: 0160

#### ASSIGNMENT Atty Docket No.: BERK-081 UC Case No.: <u>BK-2008-090-2</u>



Signature of Inventor(s)

John E. Dueber

Jay D. Keasling

#### Assignee hereby accepts this Assignment:

Title

Name

Gabriel C. Wu Ghulam Reza K. Malmirchegimi

Date

Page 2 of 2

PATENT REEL: 031569 FRAME: 0161

#### ASSIGNMENT Atty Docket No.: BERK-081 UC Case No.: <u>BK-2008-090-2</u>

Executed this	an a	Signature of Inventor(s)
day of	, 20	John E. Dueber
day of Nover	nher, 20/3	Jay D. Keasling
day of	, 20	Gabriel C. Wu
day of		Ghulam Reza K. Malmirchegini
Assignee hereby accept	s this Assignment:	Re F
<u>Paula</u> Bor Name	den Patent, Title	<u>Agent Nov. 5, 201</u> 3 Date

Page 2 of 2

# PATENT REEL: 031569 FRAME: 0162

**RECORDED: 11/08/2013**