

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Eoin L. Brodie</td> <td>02/10/2011</td> </tr> <tr> <td>Todd Z. DeSantis</td> <td>03/14/2011</td> </tr> <tr> <td>Ulas Karaoz</td> <td>02/14/2011</td> </tr> <tr> <td>Gary L. Andersen</td> <td>02/10/2011</td> </tr> </tbody> </table>		Name	Execution Date	Eoin L. Brodie	02/10/2011	Todd Z. DeSantis	03/14/2011	Ulas Karaoz	02/14/2011	Gary L. Andersen	02/10/2011		
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>The Regents of the University of California</td> </tr> <tr> <td>Street Address:</td> <td>1111 Franklin Street</td> </tr> <tr> <td>Internal Address:</td> <td>12th Floor</td> </tr> <tr> <td>City:</td> <td>Oakland</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94607-5200</td> </tr> </table>		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
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CORRESPONDENCE DATA													
<p>Fax Number: (510)486-7896</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 510-495-2456</p> <p>Email: skreineman@lbl.gov</p> <p>Correspondent Name: Michelle Chew Wong / Sharon Kay Reineman</p> <p>Address Line 1: Lawrence Berkeley National Laboratory</p> <p>Address Line 2: One Cyclotron Road, MS 56A-0120</p> <p>Address Line 4: Berkeley, CALIFORNIA 94720-8127</p>													
ATTORNEY DOCKET NUMBER:	JIB-2774A												
NAME OF SUBMITTER:	Sharon Kay Reineman												

CH \$40.00 13023538

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PATENT
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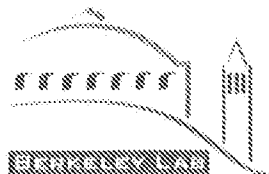
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**ASSIGNMENT**

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

Eoin L. Brodie Residing at **1327 Grand Avenue
Piedmont, CA 94610**

Todd Z. DeSantis Residing at **626 Salem Court
Livermore, CA 94551**

Ulas Karaoz Residing at **2060-4th Street
Berkeley, CA 94710**

Gary L. Andersen Residing at **780 Keeler Avenue
Berkeley, CA 94708**

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, 12TH 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: Using Phylogenetic Probes for Quantification of Stable Isotope
Labeling and Microbial Community Analysis**

and which is found in U.S. patent application serial no. **13/023,538** filed on **08-Feb-2011**

and which is found in and claims priority to U.S. provisional patent application serial no. **61/302,535** filed on **08-Feb-2010**

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, litigation, or proceeding relating thereto and will promptly execute and deliver to

**ASSIGNMENT**

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.

AND the ASSIGNOR(S) 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:

10th day of February, 2011

Eoin L. Brodie

Executed this:

Signature of Inventor:

____ day of _____, 2011

Todd Z. DeSantis

Executed this:

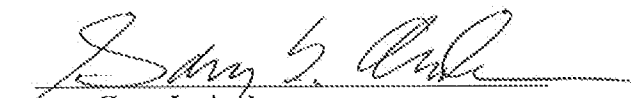
Signature of Inventor:

____ day of _____, 2011

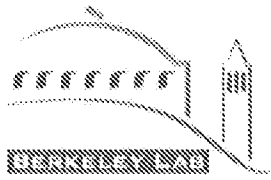
Ulas Karaoz

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Gary L. Andersen

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Executed this:

Signature of Inventor:

_____ day of _____, 2011

Eoin L. Brodie

Executed this:

Signature of Inventor:

19 day of MARCH, 2011_____
Todd Z. DeSantis

Executed this:

Signature of Inventor:

_____ day of _____, 2011

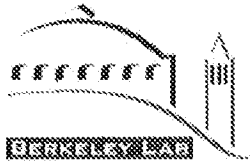
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____ day of _____, 2011

Eoin L. Brodie

Executed this:

Signature of Inventor:

____ day of _____, 2011

Todd Z. DeSantis

Executed this:

Signature of Inventor:

14 day of February, 2011

Ulas Karaoz

Executed this:

Signature of Inventor:

____ day of _____, 2011

Gary L. Andersen