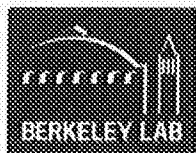


## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4410216

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|---|---|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                              |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                                  |
| <b>CONVEYING PARTY DATA</b>   |   |
| <b>Name</b>   | <b>Execution Date</b>                       |
| TRENT R. NORTHEN  | 05/10/2017                                  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | The Regents of the University of California |
| <b>Street Address:</b>  | 1111 Franklin Street                        |
| <b>Internal Address:</b>  | 12th Floor                                  |
| <b>City:</b>  | Oakland                                     |
| <b>State/Country:</b>   | CALIFORNIA                                  |
| <b>Postal Code:</b>   | 94607-5200                                  |
| <b>PROPERTY NUMBERS Total: 1</b>  |   |
| <b>Property Type</b>  | <b>Number</b>                               |
| Application Number:   | 15499769                                    |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (510)486-7896                               |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |   |
| <b>Phone:</b>   | 510-486-4534                                |
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| <b>Correspondent Name:</b>  | ROBIN CHEN CHIANG / SHARON KAY REINEMAN     |
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| <b>Address Line 4:</b>  | BERKELEY, CALIFORNIA 94720-8127             |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 2016-109-03                                 |
| <b>NAME OF SUBMITTER:</b>   | SHARON KAY REINEMAN                         |
| <b>SIGNATURE:</b>   | /Sharon Kay Reineman/                       |
| <b>DATE SIGNED:</b>   | 05/11/2017                                  |
| <b>Total Attachments: 1</b>   |   |
| source=2016-109-03_UC-Assignment_Northen_UC-accepted051117#page1.tif  |   |



## ASSIGNMENT

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

Trent R. Northen residing at 180 Springside Road Walnut Creek, CA 94597

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: Determination of Ligninase Activities by Nano-structure Initiator Mass Spectrometry**  
and which is found in U.S. patent application serial no. **15/499,769**  
filed on **April 27, 2017**

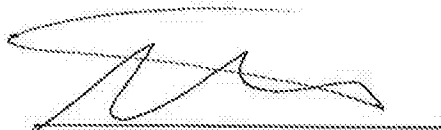
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension or substitute thereof, and any reissue, reexamination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

ASSIGNOR(S) hereby agrees 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 agrees 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 be 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 10 day of May, 2017

  
Trent R. Northen (Signature)

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

Signature Sharon Kay Reineman

Title Legal Analyst, Patent Admin. (LBNL - IPO)

Name Sharon Kay Reineman

Date May 11, 2017