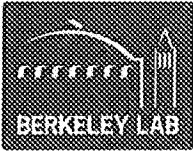


PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Heinz M. Frei</td> <td>08/27/2012</td> </tr> <tr> <td>Feng Jiao</td> <td>08/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Heinz M. Frei	08/27/2012	Feng Jiao	08/20/2012						
Name	Execution Date												
Heinz M. Frei	08/27/2012												
Feng Jiao	08/20/2012												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>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
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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13575829</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13575829								
Property Type	Number												
Application Number:	13575829												
CORRESPONDENCE DATA													
Fax Number:	5104867896												
Phone:	510-486-7058												
Email:	mdmenge@lbl.gov												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	LAWRENCE BERKELEY NATIONAL LABORATORY												
Address Line 1:	Technology Transfer & Intellectual Prope												
Address Line 2:	One Cyolotron Road MS 56A-120												
Address Line 4:	BERKELEY, CALIFORNIA 94720												
ATTORNEY DOCKET NUMBER:	IB-2832												
NAME OF SUBMITTER:	Stuart B. Chinn, Reg. No. 61,914												
<p>Total Attachments: 4 source=2832_Executed_Assignments#page1.tif source=2832_Executed_Assignments#page2.tif source=2832_Executed_Assignments#page3.tif source=2832_Executed_Assignments#page4.tif</p>													

CH \$40.00 13575829



ASSIGNMENT

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

Heinz M. Frei Residing at **1888 San Juan Avenue
Berkeley, CA 94707**

Feng Jiao Residing at **28 Beech Hill Drive
Newark, DE 19711**

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: Nanostructured Transition Metal Oxides Useful for Water Oxidation Catalysis
and which is found in U.S. patent application serial no. 13/575,829 filed on 27-Jul-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, 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.

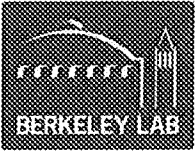
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of The University of California.

Executed this:

Signature of Inventor:

27 day of August, 2012

Heinz Frei
Heinz M. Frei



ASSIGNMENT

Executed this:

Signature of Inventor:

..... day of, 2012

.....
Feng Jiao

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

Signature Mark Mengo

Name Mark Mengo

Title Patent Assistant

Date September 11, 2012



ASSIGNMENT

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

Heinz M. Frei Residing at 1888 San Juan Avenue
Berkeley, CA 94707

Feng Jiao Residing at 28 Beech Hill Drive
Newark, DE 19711

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: Nanostructured Transition Metal Oxides Useful for Water Oxidation Catalysis and which is found in U.S. patent application serial no. 13/575,829 filed on 27-Jul-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, 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.

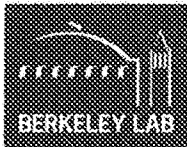
AND the ASSIGNOR(S) requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of The University of California.

Executed this:

Signature of Inventor:

_____ day of _____, 2012

Heinz M. Frei

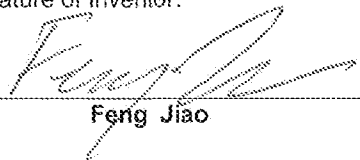


ASSIGNMENT

Executed this:

20 day of August, 2012

Signature of Inventor:


Feng Jiao

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

Signature Mank Menge

Name Mank Menge

Title Patent Assistant

Date September 11, 2012