



05-16-2006

FORM PTO-1595  
(Rev. 10/02)

REC'D

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 075929-0017

103238267

To the Honorable Commissioner for Patents at:

and the attached original documents or copy thereto:

1. Name of Conveying Party(ies): Hideyuki UEDA, Chao-Yang Wang	2. Name and address of receiving party(ies): Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. Address: 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 JAPAN
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	Name: PENN STATE RESEARCH FOUNDATION Address: 304 Old Main University Park, PA 16802
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other	Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
Execution Date: January 3, 2006 February 14, 2006 (respectively)	

4. Application number(s) or patent number(s):  
If the document is being filed together with a new application, the execution date of the application is: January 3, 2006  
February 14, 2006  
(respectively)

A. Patent Application No(s). 11/355,242 filed on February 16, 2006	B. Patent No(s).
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Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT WILL & EMERY LLP Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: D. C. Zip: 20005-3096	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 500417
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DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Daniel Bucca 42,368

May 11, 2006

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: 2

OMB No. 0651-0027 (exp. 6/30/2005)

05/15/2006 DBYRNE 00000088 500417 11355242

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PATENT  
REEL: 017843 FRAME: 0798

**Docket No.: 069661-0025**

## ASSIGNMENT

WHEREAS WE, Chao-Yang WANG of 2244 Charleston Drive, State College, PA 16801, and Hideyuki UEDA of 2-12-8 Ayukawa Ibaragi City, Osaka 567-0831 Japan, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled ANODE ELECTRODES FOR DIRECT OXIDATION FUEL CELLS AND SYSTEMS OPERATING WITH CONCENTRATED LIQUID FUEL, and filed concurrently herewith;

OR

for which an application for United States Letters Patent was filed on [case\_filing\_date], and identified by United States Application No. [case\_serial\_number];

AND WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation organized and existing under the laws of Japan and having an address of 1006, Oaza Kadoma, Kadomashi, Osaka 571-8501, Japan; and the PENN STATE RESEARCH FOUNDATION, a corporation of the Commonwealth of Pennsylvania and having an address of 304 Old Main, University Park, PA 16802 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto ASSIGNEES, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said ASSIGNEES that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said ASSIGNEES, execute such additional assignments and other writings and do such additional acts as said ASSIGNEES may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and ASSIGNEES;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ASSIGNEES, a corporation organized and existing under the laws of Japan and having an address of, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

01/03/06

*Chao-Yang WANG*

Date

Chao-Yang WANG

Date:

Hideyuki UEDA

Signature Witness:

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared Chao-Yang WANG, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

Signature Witness:

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared Hideyuki UEDA, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

**ASSIGNMENT**

WHEREAS WE, Chao-Yang WANG of 2244 Charleston Drive, State College, PA 16801, and Hideyuki UEDA of 2-12-8 Ayukawa Ibaragi City, Osaka 567-0831 Japan, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled **ANODE ELECTRODES FOR DIRECT OXIDATION FUEL CELLS AND SYSTEMS OPERATING WITH CONCENTRATED LIQUID FUEL**, and filed concurrently herewith;

OR

for which an application for United States Letters Patent was filed on [case\_filing\_date], and identified by United States Application No. [case\_serial\_number];

AND WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation organized and existing under the laws of Japan and having an address of 1006, Oaza Kadoma, Kadomashi, Osaka 571-8501, Japan; and the PENN STATE RESEARCH FOUNDATION, a corporation of the Commonwealth of Pennsylvania and having an address of 304 Old Main, University Park, PA 16802 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto ASSIGNEES, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said ASSIGNEES that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said ASSIGNEES, execute such additional assignments and other writings and do such additional acts as said ASSIGNEES may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and ASSIGNEES;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said ASSIGNEES, a corporation organized and existing under the laws of Japan and having an address of, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Date Feb. 14. 2006

Chao-Yang WANG  
Hideyuki Ueda

Date:  
Signature Witness:

Hideyuki UEDA

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared Chao-Yang WANG, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
Notary Public  
My commission expires \_\_\_\_\_

Signature Witness:

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, before me, the undersigned notary public, personally appeared Hideyuki UEDA, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
Notary Public  
My commission expires \_\_\_\_\_