

10-14-2005



FORM PTO-1595  
(Rev. 10/02)

R

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 069661-0021

103100319  
PATENTS ONLY

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):  
**Takashi AKIYAMA, Chao-Yang WANG**  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies):  
Name: MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
Address: 1006, Oaza Kadoma,  
Kadoma-shi,  
Osaka, 571-8501 JAPAN  
Name: PENN STATE RESEARCH FOUNDATION  
Address: 304 Old Main,  
University Park, PA 16802  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: September 9, 2005, September 7, 2005  
(respectively)

4. Application number(s) or patent number(s):  
If the document is being filed together with anew application, the execution date of the application is: September 9, 2005,  
September 7, 2005  
(respectively)  
A. Patent Application No(s). B. Patent No(s).  
Additional numbers attached?  Yes  No

113243 U.S. PTO  
11/242910  
100505

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  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
500417

DO NOT USE THIS SPACE

9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct as a true copy of the original document.*  
Daniel Bucca, 42,368  
*Daniel Bucca*  
October 5, 2005

10/19/2005 01 FC:8021 40.00 DA 11242910

Name and Registration No. of Person Signing Signature Date  
Total number of pages including cover sheet: 3

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

PATENT  
REEL: 017069 FRAME: 0091

10-5-05

Docket No.: 069661-0021

ASSIGNMENT

WHEREAS WE, Takashi AKIYAMA of 21-15-403 Deguchicho, Suita-shi, Osaka 5640072, Japan and Chao-Yang WANG of 224 Charleston Drive, State College, PA 16801 respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DYNAMICALLY CONTROLLABLE DIRECT OXIDATION FUEL CELL SYSTEMS & METHODS THEREFOR, 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 having an address of 1006, Oaza Kadoma, Kadoma-shi, 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 assignee 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 ASSIGNEE;

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, 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.

Sep. 9, 2005  
Date

Takashi Akiyama  
Takashi AKIYAMA

\_\_\_\_\_  
Date

\_\_\_\_\_  
Chao-Yang WANG

**Docket No.: 069661-0021**

ASSIGNMENT

WHEREAS WE, Takashi AKIYAMA of 21-15-403 Deguchicho, Suita-shi, Osaka 5640072, Japan and Chao-Yang WANG of 224 Charleston Drive, State College, PA 16801 respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DYNAMICALLY CONTROLLABLE DIRECT OXIDATION FUEL CELL SYSTEMS & METHODS THEREFOR, 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];

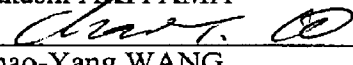
AND WHEREAS, MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., a corporation organized and existing under the laws of Japan having an address of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan; and the PENN STATE RESEARCH FOUNDATION, a corporation of the Commonwealth of Pennsylvania and having an address 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 assignee 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 ASSIGNEE;

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, 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  
9-7-05  
\_\_\_\_\_  
Date

\_\_\_\_\_  
Takashi AKIYAMA  
  
\_\_\_\_\_  
Chao-Yang WANG