

01-26-2007

FORM PTO-1595  
(Rev. 08/05)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 075929-0022

103366204

To the Director of the U. S. Patent and T.

documents or the new address(es) below.

## 1. Name of Conveying Party(ies)

Guoqiang LU, Chao-Yang WANG, Takashi AKIYAMA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

## 3. Nature of Conveyance/Execution Date(s)

Execution Date(s): January 7, 2006, January 10, 2007,  
January 22, 2007 (respectively)

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

## 2. Name and address of receiving party(ies)

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

## 4. Application or patent number(s):

A. Patent Application No(s).

☒ This document is being filed together with a new application.

B. Patent No(s).

Additional numbers attached? ☐ Yes ☐ No

## 5. Name and address to whom correspondence concerning document should be mailed:

Name: MCDERMOTT WILL &amp; EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

Phone Number: 202.756.8000

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Email Address:

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)nt

## 8. Payment Information:

- a. Credit Card Last 4 Numbers 500417  
Expiration Date 01/25/2007 - 01/25/2008  
b. Deposit Account Number 500417  
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## 9. Signature.

Daniel Bucca, Ph.D., 42,368

January 22, 2007

Name and Registration No. of Person Signing

Signature

Total number of pages including cover sheet, attachments and documents:

OMB No. 0651-0027 (exp. 6/30/2008)

PATENT  
REEL: 018822 FRAME: 0802

Docket No.: 75929-0022

ASSIGNMENT

WHEREAS WE, Guoqiang LU of 7 Oxford Drive, Apt.1, Latham, NY, 12110; Chao-Yang WANG of 1264 Northampton St, State College, PA 16803; and Takashi AKIYAMA of 21-15-403 Deguchicho, Suita-shi, Osaka 5640072, Japan; respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled DIRECT OXIDATION FUEL CELLS WITH IMPROVED CATHODE GAS DIFFUSION MEDIA FOR LOW AIR STOICHIOMETRY OPERATION, 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, 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; are 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, 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

1/7/2006

Date

1/10/2007

Date

Jan. 22, 2007

Guoqiang Lu

Chao-Yang Wang

Takashi Akiyama

Takashi Akiyama

PATENT

RECORDED: 01/22/2007

REEL: 018822 FRAME: 0803