

PATENT ASSIGNMENT

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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>Shuichi Inoue</td><td>11/17/2010</td></tr><tr><td>Hidemasa Nonaka</td><td>11/17/2010</td></tr><tr><td>Satoru Uenoyama</td><td>11/17/2010</td></tr></tbody></table>	Name	Execution Date	Shuichi Inoue	11/17/2010	Hidemasa Nonaka	11/17/2010	Satoru Uenoyama	11/17/2010			
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Shuichi Inoue	11/17/2010										
Hidemasa Nonaka	11/17/2010										
Satoru Uenoyama	11/17/2010										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Osaka Gas Co., Ltd.</td></tr><tr><td>Street Address:</td><td>1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi</td></tr><tr><td>City:</td><td>Osaka</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>5410046</td></tr></table>	Name:	Osaka Gas Co., Ltd.	Street Address:	1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	5410046	
Name:	Osaka Gas Co., Ltd.										
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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>12989103</td></tr></tbody></table>	Property Type	Number	Application Number:	12989103							
Property Type	Number										
Application Number:	12989103										
CORRESPONDENCE DATA											
Fax Number: (412)945-5933 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone: 412-471-8815											
Email: assignments@webblaw.com											
Correspondent Name: THE WEBB LAW FIRM, P.C.											
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Address Line 4: PITTSBURGH, PENNSYLVANIA 15219											
ATTORNEY DOCKET NUMBER:	0388-103273										
NAME OF SUBMITTER:	Richard L. Byrne, Reg. No. 28,498										
Total Attachments: 3 source=assignment#page1.tif											

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PATENT
REEL: 025537 FRAME: 0771

OP \$40.00 12989103

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Shuichi Inoue
Hidemasa Nonaka
Satoru Uenoyama

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) November 17, 2010

- ☒ 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: OSAKA GAS CO., LTD.

Internal Address: _____

Street Address: 1-2, Hiranomachi 4-chome

Chuo-ku, Osaka-shi

City: Osaka

State: _____

Country: JAPAN Zip: 5410046

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

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

A. Patent Application No.(s)
12/989,103

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Russell D. Orkin

Internal Address: The Webb Law Firm

Street Address: 436 Seventh Avenue
700 Koppers Building

City: Pittsburgh

State: PA Zip: 15219

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 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)

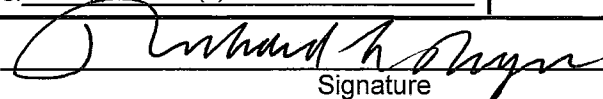
8. Payment Information

a. Credit Card Last 4 Numbers 4775
Expiration Date 05/2012

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:


Signature

December 27, 2010
Date

Richard L. Byrne, Reg. No. 28,498
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Attorney Docket No.: 0388-103273

Worldwide Rights — Sole or Joint

Assignment

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto OSAKA GAS CO., LTD. with offices at 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 5410046, Japan (hereinafter ASSIGNEE), effective on the date indicated next to my name, all right, title and interest in and to his invention relating to

CELL FOR SOLID OXIDE FUEL CELL

as set forth in his United States Patent Application

☐ executed concurrently herewith

☒ executed on November 17, 2010

☒ Serial No. 12/989,103 Filed on October 22, 2010

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all divisions, continuations, additions, extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; to be held and enjoyed by said ASSIGNEE, their successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, their successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, their successors, legal representatives or assigns he will communicate to said ASSIGNEE, their successors, legal representatives or assigns all information known to them relating to said invention or patent application and that they will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said

ASSIGNEE, their successors, legal representatives or assigns to perfect title to said invention, to said application including divisions, continuations, reissues, extensions, additions and renewals thereof and to any and all Letters Patent which may be granted therefor or thereon, in said ASSIGNEE, their successors, or assigns or to assist said ASSIGNEE, their successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent for said invention;

Each of the undersigned hereby grants to the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

Names and Signatures of Inventors:

Signature: <u>Shuichi INOUE</u> Shuichi INOUE	<u>November 17, 2010</u> Date of this Assignment
Signature: <u>Hidemasa NONAKA</u> Hidemasa NONAKA	<u>November 17, 2010</u> Date of this Assignment
Signature: <u>Satoru UENOYAMA</u> Satoru UENOYAMA	<u>November 17, 2010</u> Date of this Assignment