

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>Akira GOTO</td> <td>10/10/2012</td> </tr> <tr> <td>Toshiyuki UNNO</td> <td>10/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Akira GOTO	10/10/2012	Toshiyuki UNNO	10/26/2012
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Akira GOTO	10/10/2012						
Toshiyuki UNNO	10/26/2012						
RECEIVING PARTY DATA							
Name:	JX NIPPON OIL & ENERGY CORPORATION						
Street Address:	6-3, Otemachi 2-chome, Chiyoda-ku						
City:	Tokyo						
State/Country:	JAPAN						
Postal Code:	100-8162						
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>13637880</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13637880		
Property Type	Number						
Application Number:	13637880						
CORRESPONDENCE DATA							
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Total Attachments: 1 source=P42694_Assign#page 1.tif							

OP \$40.00 13637880

ASSIGNMENT

Whereas, I/we,

NameAddress1) **Akira GOTO**c/o JX Nippon Oil & Energy Corporation,
6-3, Otemachi 2-chome,
Chiyoda-ku, Tokyo 100-8162 Japan2) **Toshiyuki UNNO**c/o JX Nippon Oil & Energy Corporation,
6-3, Otemachi 2-chome,
Chiyoda-ku, Tokyo 100-8162 Japanhereinafter called assignor(s), have invented certain improvements in
HYDROGEN PRODUCTION APPARATUS AND FUEL CELL SYSTEM

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless otherwise indicated below:

filed on September 27, 2012, Serial No. 13/637880; and

Whereas

JX Nippon Oil & Energy Corporation6-3, Otemachi 2-chome,
Chiyoda-ku, Tokyo 100-8162 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

INVENTORSDATE SIGNED

1):

Name:

後藤 晃
Akira GOTO

October 10, 2012

2):

Name:

海野 俊幸
Toshiyuki UNNO

October 26, 2012