

10/593979

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103315848

Attorney Docket No. 128212

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1. A. Name of conveying party(ies):  
  
Satoshi AOYAMA  
Hiromichi SATO  
Takashi UEMURA  
Osamu MIZUNO  
Kentaro YOSHIDA  
Tomohiko IHARA  
  
B. Additional name(s) of conveying party(ies) attached?  
 Yes  No

2. A. Name and address of receiving party(ies):  
  
TOYOTA JIDOSHA KABUSHIKI KAISHA  
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5-33, KITAHAMA 4-CHOME, CHUO-KU  
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B. Additional name(s) & address(es) attached?  
 Yes  No

3. A. Nature of conveyance:  
  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
  
B. Execution Date: ALL: June 26, 2006

4.  This document is being filed together with a new application.  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) 10/593979

09/28/2006 GPREY1  
04 FC:8021

00000127 10593979 Additional numbers attached?  Yes  No

C. Title of Application: HYDROGEN PERMEABLE MEMBRANE, FUEL CELL AND HYDROGEN EXTRACTING APPARATUS EQUIPPED WITH THE HYDROGEN PERMEABLE MEMBRANE, AND METHOD OF MANUFACTURING THE HYDROGEN PERMEABLE MEMBRANE

5. Name and address of party to whom correspondence concerning document should be mailed:  
  
Name: James A. Oliff  
  
Address: OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, VA 22320

6. Total number of applications and patents involved: 1  
  
7. A. Total fee (37 CFR 3.41).....\$ 40.00  
B. Enclosed (Check No. 184485)  
  
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.*  
  
Date: September 22, 2006  
James A. Oliff Registration No. 27,075  
Linda M. Saltiel Registration No. 51,122  
Total number of pages including cover sheet, attachments, and document: 2

**ASSIGNMENT  
(Two Assignees)**

7SN 2005-0212-US-002  
(TEN 050032-09)

105088-100-00

(1-8) Insert Name(s) of Inventor(s)	(1) <u>Satoshi AOYAMA</u>	(4) <u>Osamu MIZUNO</u>
	(2) <u>Hikomichi SATO</u>	(5) <u>Kentaro YOSHIDA</u>
	(3) <u>Takashi UEMURA</u>	(6) <u>Tomohiko IHARA</u>

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9A) Insert Name of First Assignee	(9A) <u>TOYOTA JIDOSHA KABUSHIKI KAISHA</u>
(10A) Insert Address of First Assignee	(10A) <u>1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan</u>
(9B) Insert Name of Second Assignee	(9B) <u>SUMITOMO ELECTRIC INDUSTRIES, LTD</u>
(10B) Insert Address of Second Assignee	(10B) <u>5-33, Kitahama 4-chome, Chuo-ku, Osaka, 541-0041 Japan</u>

(hereinafter designated as the Assignees) and Assignees' heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all divisions, continuations, substitutes, and reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification, such as Title, Case Number or Foreign Application Number	(11) <u>HYDROGEN PERMEABLE MEMBRANE, FUEL CELL AND HYDROGEN EXTRACTING APPARATUS EQUIPPED WITH THE HYDROGEN PERMEABLE MEMBRANE, AND METHOD OF MANUFACTURING THE HYDROGEN PERMEABLE MEMBRANE</u>
	<u>PCT/IB2005/002123</u>
	Attorney Docket No. <u>128212</u>

for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or

(12) Insert Date of Signing of Application	(12) on _____
(13) Alternative Identification for filed applications	(13) U.S. Application Serial Number _____ filed <u>September 22, 2006</u>

1) Each undersigned agrees to execute all papers necessary in connection with the application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof, or any patent or reissue application based thereon, and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference.

3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.

5) Each undersigned authorizes and requests the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignees, as Assignees of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.

6) Each undersigned hereby grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>June 26, 2006</u>	Inventor Signature	<u>Satoshi Aoyama</u>	(SEAL)
Date	<u>June 26, 2006</u>	Inventor Signature	<u>Hikomichi Sato</u>	(SEAL)
Date	<u>June 26, 2006</u>	Inventor Signature	<u>Takashi Uemura</u>	(SEAL)
Date	<u>June 26, 2006</u>	Inventor Signature	<u>Osamu Mizuno</u>	(SEAL)
Date	<u>June 26, 2006</u>	Inventor Signature	<u>Kentaro Yoshida</u>	(SEAL)
Date	<u>June 26, 2006</u>	Inventor Signature	<u>Tomohiko Ihara</u>	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	<u>June 26, 2006</u>	Witness	<u>Nashi Ota</u>
Date	<u>June 26, 2006</u>	Witness	<u>Osamu Komura</u>

**PATENT**

**RECORDED: 09/22/2006**

**REEL: 018353 FRAME: 0097**