

FORM PTO-1585

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party:

Hiromichi Nakata  
Masayoshi Yokoi  
Kenji Shimoda  
Noboru Takayanagi

6.3.03

2. Name and address of receiving party(ies)

Name: Toyota Jidosha Kabushiki Kaisha  
Internal Address: \_\_\_\_\_

Street Address: 1, Toyota-cho, Toyota-shi, Aichi-ken,  
471-8571 Japan

Additional name(s) of conveying parties attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other: \_\_\_\_\_

Execution date: May 19, 2003.

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

4. Application numbers or patent numbers:

If this document is being filed together with a new application, the execution date of the application is:  
May 19, 2003.

A. Patent Applications

10452224

B. Patent No.(s)

Additional Numbers attached?  Yes  No

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

Name: Mark H. Neblett, Esq.  
Internal Address: KENYON & KENYON

Street Address: 1500 K Street, N.W., Suite 700  
City: Washington, D.C. ZIP: 20005-1257

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41) ..... \$ **40.00**  
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*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.*

Mark H. Neblett (Reg. No. 42,028)  
Name of Person Signing

Signature

June 3, 2003  
Date

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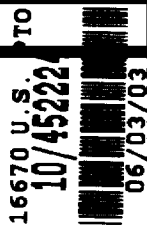
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**PATENT**  
**REEL: 014143 FRAME: 0224**



ASSIGNMENT

WHEREAS, we, Hikomichi NAKATA, Masayoshi YOKOI,  
Kenji SHIMODA, and Noboru TAKAYANAGI, citizens  
of Japan, residing at Toyota-shi, Aichi-ken;  
Okazaki-shi, Aichi-ken; Nagoya-shi, Aichi-ken; and  
Tajimi-shi, Gifu-ken,

respectively, have invented new and useful improvements in  
SEPARATOR OF A FUEL CELL AND A MANUFACTURING METHOD THEREOF

for which we are about to make application for Letters Patent of  
the United States, said application having been executed by us  
on even date herewith; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA,  
a Company of Japan, having its place of business at \_\_\_\_\_  
1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

(hereinafter referred to as the Assignee), is desirous of  
acquiring the entire right, title and interest in and to the  
application and the invention therein described and claimed and  
any Letters Patent that may be issued upon the application or  
for the improvements therein contained.

NOW, THEREFORE, for and in consideration of the  
equivalent sum of One Dollar (\$1.00) to us in hand paid, the  
receipt and sufficiency whereof is hereby acknowledged, we have  
sold, assigned and transferred, and do hereby sell, assign and  
transfer unto the Assignee, its successors and assigns, the  
entire right, title and interest in and to the application and  
the invention therein contained, including the right to apply  
for any Letters Patent in the United States of America on the  
invention, any Letters Patent that may issue thereon or  
therefor, in the United States, and all reissues, extensions,  
renewals, divisions and continuations thereof, to the full end  
of the term or terms for which the Letters Patent may be issued,

the same to be held and enjoyed by the Assignee, its successors and assigns, the same as it would have been held and enjoyed by us if this Assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents to issue all such Letters Patent to the Assignee, its successors and assigns, in accordance with this instrument of Assignment.

We hereby represent and warrant that there are no rights and interests outstanding inconsistent with the rights and interests granted herein and that we will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and we bind ourselves, our heirs, executors, administrators and legal representatives, as the case may be, to execute and deliver to the Assignee, its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the Assignee, its successors and assigns, to vest in the Assignee, its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States.

And we further covenant and agree, in consideration of the premises that we, our executors and administrators, will at any time upon request communicate to the Assignee, its successors and assigns, any facts relating to the invention and improvements and the history thereof, known to us or our executors and administrators, and that we will testify as to the same in any interference or other litigation when requested so to do by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 19th day of May, 2003.

Hiroemichi Nakata

(Name of Inventor)

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 19th day of May, 2003.

Masayoshi Yokoi

(Name of Inventor)

WITNESSED BY:

Masahiro Mizuno

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471-8571 Japan

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IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 19th day of May, 2003.

Kenji Shimoda

(Name of Inventor)

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 19th day of May, 2003.

Noboru Takayanagi

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