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1. Name of conveying party(ies)

Yusuke WATANABE
Kazutaka IIZUKA
Osamu YAMAZAKIAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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

Execution Date(s) 07 November 2007

- ☒ 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: TOYOTA JIDOSHA KABUSHIKI KAISHA

Internal Address: _____

Street Address: 1, Toyota-cho

City: Toyota-shi

State: Aichi-ken

Country: JAPAN Zip: 471-8571

Additional 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: Daniel G. Shanley

Internal Address: KENYON & KENYON LLP

Street Address: 1500 K Street, N.W., Suite 700

City: Washington

State: DC Zip: 20005

Phone Number: 202-220-4200

Fax Number: 202-220-4201

Email Address: DShanley@Kenyon.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 _____
Expiration Date _____

b. Deposit Account Number 11-0600

Authorized User Name KENYON & KENYON LLP

9. Signature:

Shawn W. O'Dowd
Signature11 August 2008
Datefor: Shawn W. O'Dowd
Name of Person SigningTotal number of pages including cover
sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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PATENT
REEL: 021399 FRAME: 0340

ASSIGNMENT

WHEREAS, we, (1) Yusuke WATANABE, (2) Kazutaka IIZUKA and
(3) Osamu YAMAZAKI,
citizens of Japan,
residing at (1) Toyota-shi, Aichi-ken, Japan, (2) Nissin-shi, Aichi-ken, Japan,
(3) Saitama-shi, Saitama-ken, Japan (hereinafter referred to as "the
Assignor"); have made new and useful improvements in an invention entitled
SEPARATOR FOR USE IN FUEL CELL AND MANUFACTURING METHOD THEREFOR

for which we are about to make application for Letters Patent in the United
States, said application having been executed on even date hereof; and

WHEREAS, TOYOTA JIDOSHA KABUSHIKI KAISHA, a corporation
organized and existing under and by virtue of the laws of Japan, having its
principle place of business at _____
1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571, Japan, who,
together with its successors and assigns, (hereinafter called "Assignee,") is
desirous of acquiring the title, rights, benefits, and privileges hereinafter
recited.

NOW, THEREFORE, in consideration of the equivalent of One U.S.
Dollar (U.S. \$1.00) and other valuable consideration furnished by Assignee to
us, receipt and sufficiency of which we hereby acknowledge, we hereby,
without reservations:

1. Assign, transfer, and convey to Assignee the Entire right, title, and
interest in and to said inventions and discoveries, said application for Letters
Patent of the United States of America, including all divisional, renewal,
substitute, and continuation applications based in whole or in part upon said
inventions or discoveries, or upon said applications, and any and all Letters
Patent, reissues, and extensions of letters Patent granted for said inventions
and discoveries or upon said applications.

2. Authorize and request the Assistant Commissioner for Patents of
the United States of America to issue or transfer all said Letters Patent to
Assignee, as assignee of the entire right, title, and interest therein or
otherwise as Assignee may direct.

3. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance.

4. Bind our heirs, legal representatives, and assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 7th day of November, 2007.

Yusuke Watanabe
Yusuke WATANABE

WITNESSED BY:

Name

Address

WITNESSED BY:

Name

Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and
seal this 7th day of November, 2007.

Kazutaka Iizuka
Kazutaka IIZUKA

WITNESSED BY:

Name

Address

WITNESSED BY:

Name

Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and

seal this 7th day of November, 2007.

Osamu Yamazaki
Osamu YAMAZAKI

WITNESSED BY:

Name

Address

WITNESSED BY:

Name

Address