



101611953

TO THE ASSISTANT COMMISSIONER FOR \_\_\_\_\_ documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1. Shizukuni Yata
- 2. Haruo Kikuta
- 3. Hajime Kinoshita
- 4. Hiroyuki Tajiri
- 5. Shiro Kato

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

*2-5-01*

2. Name and address of receiving party(ies):

Name: OSAKA GAS COMPANY LIMITED  
Address: 1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046 Japan

Additional name(s) of receiving party(ies) attached?  
( ) Yes (X) No

3. Nature of conveyance:

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

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above) 1. 11/20/00 2. 11/20/00 3. 11/20/00 4. 11/20/00 5. 11/20/00

4. Application number(s) or Patent number(s):

- Application(s) filed herewith Execution Date(s):
- Patent Application No.: 09/700,988  
Filing Date: November 20, 2000
- Patent No.:  
Issue Date:

Additional numbers attached? ( ) Yes (X) No

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

Name: Daniel E. Altman  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
Customer No. 20,995  
Internal Address: Sixteenth Floor  
Street Address: 620 Newport Center Drive  
City: Newport Beach State: CA ZIP: 92660  
Attorney's Docket No.: SAEGU64.001APC

7. Total fee (37 CFR 3.41): \$40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

*40E*

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.

Katsuhiro Arai  
Name of Person Signing

*[Signature]*  
Signature

January 31, 2001  
Date

43,315  
Registration No.

Total number of pages including cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

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40.00 DP  
0000035  
02/14/2001 DBYRNE  
FC:581

PATENT

ASSIGNMENT

WHEREAS, I/WE (1) YATA Shizukuni,

a Japanese citizen, residing at c/o KANSAI RESEARCH INSTITUTE, 1-2,  
Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046, Japan

(2) KIKUTA Haruo,

a Japanese citizen, residing at c/o OSAKA GAS COMPANY LIMITED, 1-2,  
Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046, Japan

(3) KINOSHITA Hajime,

a Japanese citizen, residing at c/o KANSAI RESEARCH INSTITUTE, 1-2,  
Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046, Japan

(4) TAJIRI Hiroyuki,

a Japanese citizen, residing at c/o OSAKA GAS COMPANY LIMITED, 1-2,  
Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046, Japan

(5) KATO Shiro,

a Japanese citizen, residing at c/o KANSAI RESEARCH INSTITUTE, 1-2,  
Hiranomachi 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0046, Japan

(6) \_\_\_\_\_,

a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

(7) \_\_\_\_\_,

a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

(8) \_\_\_\_\_,

a \_\_\_\_\_ citizen, residing at \_\_\_\_\_

hereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new and useful improvements in NON-AQUEOUS SECONDARY BATTERY AND ITS CONTROL METHOD

the specification of which:

(a)  is attached hereto; or

(b)  was filed on \_\_\_\_\_ as Application No. \_\_\_\_\_ or Express Mail No., as Application No. not yet known \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable); or

(c)  was described and claimed in PCT International Application No. PCT/JP99/02658 filed on May 20, 1999 and as amended under PCT Article 19 on \_\_\_\_\_ (if any) and/or under PCT Article 34 on \_\_\_\_\_ (if any).

AND WHEREAS, OSAKA GAS COMPANY LIMITED,  
1-2, Hiranomachi 4-chome, Chuo-ku, Osaka-shi,  
with its principal place of business at Osaka 541-0046, Japan,  
(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 20th day of November, 2000 Shizukuni Yata  
Signature of YATA Shizukuni

This 20th day of November, 2000 Haruo Kikuta  
Signature of KIKUTA Haruo

This 20th day of November, 2000 Hajime Kinoshita  
Signature of KINOSHITA Hajime

This 20th day of November, 2000

Hiroyuki Tajiri  
Signature of TAJIRI Hiroyuki

This 20th day of November, 2000

Shiro Kato  
Signature of KATO Shiro

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of

This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

\_\_\_\_\_  
Signature of