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U.S. DEPARTMENT OF COMMERCE  
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**Q49564**

**100676268**

PATENTS UNIT

JCS11 U.S. PTO  
09/018130

03/11/98

To the Honorable Assistant Commissioner for Patents. Please record the attached original documents or copy thereof.

3/11/98

MRD

1. Name of conveying party(ies):  
Hirofumi SUGIKAWA

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

Name:  
KATAYAMA SPECIAL INDUSTRIES, LTD.  
Internal Address:  
15-27, Mitsuyaminami 3-chome, Yodogawa-ku, Osaka-shi,  
Osaka-fu, Japan  
Street Address:  
Same as above

Additional name(s) of conveying party(ies) attached?  
 yes  no

3. Nature of Conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

City State Zip

Additional name(s) & address(es) attached?  
 yes  no

Execution Date: February 27, 1998

40.00 DP  
0000007-09038130  
03/20/1998 ENCLOSURE

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

If this document is being filed together with a new application, the execution date of the application is:  
February 27, 1998

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached?  Yes  No

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

SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 Pennsylvania Avenue, N.W.  
Suite 800  
Washington, D.C. 20037-3202

6. Total number of applications and patents involved:  
One (1)

7. Total Fee (37 CFR 3.41): \$ 40.00  
 Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

Authorized to be charged to Deposit Account

8. Deposit Account No.

(Attach dupl. copy of this page if paying by Deposit Account)

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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.

Name Waddell A. Biggart Reg. No. 24,861

March 11, 1998  
Date

TOTAL NUMBER OF PAGES INCLUDING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

OMB No. 0651-0011 (exp. 4/94)

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Mail documents to be recorded with required cover sheet information to:  
Assistant Commissioner for Patents  
Box Assignments  
Washington, D.C. 20231

# Assignment

Whereas, I/We, Hirofumi SUGIKAWA of Osaka  
City, Kansai Region, Japan

hereinafter called assignor(s), have invented certain improvements in  
Method of Manufacturing Porous Sheet, Porous  
Metal Sheet Manufactured by Method, and Electrode for Battery  
and executed an application for Letters Patent of the United States of America therefor on  
\_\_\_\_\_ 19\_\_;

Whereas, KATAYAMA SPECIAL INDUSTRIES, LTD. of  
15-27, Mitsuyaminami 3-chome, Yodogawa-ku, Osaka-shi,  
Osaka fu, 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, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its  
successors and assigns, the entire right, title and interest in the application and the invention disclosed  
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and  
I/we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth  
in the application to the assignee, its successors and assigns; and I/we will execute without further  
consideration all papers deemed necessary by the assignee in connection with the United States application  
when called upon to do so by the assignee.

I/We hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of  
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application  
number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application  
number of said application when known.

Date: 29. Feb. 1998 s/ H Sugikawa  
Hirofumi SUGIKAWA

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

Date: s/ \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)