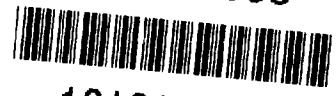


11/10/99

11-29-1999

Form PTO-1595
1-31-92

Q56687



101210277

U.S DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies):
Hiroaki YOSHIDA, Takefumi INOUE and Hideki MASUDA

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

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: November 5, 1999

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

Name:
JAPAN STORAGE BATTERY CO., LTD.
Internal Address:
1, Inobaba-cho, Nishinosho, Kisshoin, Minami-ku, Kyoto-shi,
Kyoto, Japan
Street Address:
Same as above

City State Zip

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

JCS42 U.S. PTO.
09/437241
11/10/99

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:
November 5, 1999

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)

DO NOT WRITE IN THIS SPACE

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.

Darryl Mexic
Name Darryl Mexic Reg. No. 23,063

November 10, 1999
Date

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

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

Do not detach this portion

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

11/26/1999 BNGUYEN 00000195 09437241
01 FC:581 40.00 DP

Assignment

Whereas, I/We, Hiroaki YOSHIDA, Takefumi INOUE, and Hideki MASUDA of
Kyoto, Japan

hereinafter called assignor(s), have invented certain improvements in

BATTERY CELL AND BATTERY USING THE SAME

and executed an application for Letters Patent of the United States of America therefor on
November 5, 1999 ; and

Whereas, JAPAN STORAGE BATTERY CO., LTD.
1, Inobaba-cho, Nishinosho, Kisshoin, Minami-ku,
Kyoto-shi, Kyoto, 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: November 5, 1999 s/ Hiroaki Yoshida

Date: November 5, 1999 s/ Takefumi Inoue

Date: November 5, 1999 s/ Hideki Masuda

Date: s/ _____

Date: s/ _____

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