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Attorney Docket No. 101727

DEC 7 3 1998

To the Assistant Commissioner for Patents: Please record the attached original document or copy thereof.

100-23-98
MKE

1. A Name of conveying party(ies):
Yoshiaki KIKUCHI
Fumihiko ASAKAWA
Toshiaki NAKANISHI
Tadao KIMURA
B Additional name(s) of conveying party(ies) attached?
 Yes No

2. A Name and address of receiving party(ies):
TOYOTA JIDOSHA KABUSHIKI KAISHA
1, TOYOTA-CHO, TOYOTA-SHI
AICHI-KEN, 471-8571 JAPAN
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
1006, OAZA KADOMA, KADOMA-SHI
OSAKA, 571-8501 JAPAN

3. A Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
B Execution Date: November 26, 1998

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

4. A If this document is being filed together with a new application, the execution date of the application is: _____
B Patent Application No. 09/166,082
Additional numbers attached? Yes No

C Patent No.(s) _____

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: James A. Oliff
Address: **OLIFF & BERRIDGE, PLC**
P.O. Box 19928
Alexandria, VA 22320

6. Total number of applications and patents involved: 1
7. A Total fee (37 CFR 3.41).. ...\$ 40.00
B Enclosed (Check No. 65192)
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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.

Date: December 23, 1998
James A. Oliff Registration No. 27,075
Stuart I. Smith Registration No. 42,159
Jay A. Stelacone Registration No. 42,168

Total number of pages including cover sheet, attachments, and document: 2

**DEPOSIT ACCOUNT USE
AUTHORIZATION**
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

ASSIGNMENT

(Two Assignees)

(1-6) Insert Name(s) of Inventor(s)

(1) Yoshiaki KIKUCHI (4) Tadao KIMURA

(2) Fumihiko ASAKAWA (5) _____

(3) Toshiaki NAKANISHI (6) _____

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9A) Insert Name of First Assignee (9A) TOYOTA JIDOSHA KABUSHIKI KAISHA

(10A) Insert Address of First Assignee (10A) 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 Japan

(9B) Insert Name of Second Assignee (9B) Matsushita Electric Industrial Co., Ltd.

(10B) Insert Address of Second Assignee (10B) 1006, Oaza Kadoma, Kadoma-shi, Osaka, 571-8501 Japan

(hereinafter designated as the Assignees) the entire right, title and interest for the United States of America as defined in U.S.C. §100, in the invention, and in all applications for patents including any and all divisions, continuations, substitutes, amendments, reissues, and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as

(11) Insert Identification, such as Title, Case Number or Foreign Application Number (11) SECONDARY BATTERY CONTROL DEVICE

(Case No. 101727)

for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application (12) on November 26, 1998

(13) Alternative Identification for filed applications (13) U.S. application Serial Number 09/166,082 filed October 5, 1998

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications for the invention and also to execute separate assignments in connection with such applications as the Assignees may deem necessary.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignees in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any acts which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignees.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any divisional, continuing or reissue applications to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recording of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date <u>November 26, 1998</u>	Name of Inventor <u>Yoshiaki Kikuchi</u>	(SEAL)
Date <u>November 26, 1998</u>	Name of Inventor <u>Fumihiko Asakawa</u>	(SEAL)
Date <u>November 26, 1998</u>	Name of Inventor <u>Toshiaki Nakanishi</u>	(SEAL)
Date <u>November 26, 1998</u>	Name of Inventor <u>Tadao Kimura</u>	(SEAL)
Date _____	Name of Inventor _____	(SEAL)
Date _____	Name of Inventor _____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date November 26, 1998 Witness Toshiyuki Sekimura

Date November 26, 1998 Witness Rorie Kobayashi