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Attorney Docket  
No.: 8861-251  
(P16478-01)

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hajime Seri  
Yoshinori Yamada  
Kenichi Takeyama  
Teruhisa Kanbara

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

Matsushita Electric Industrial Co., Ltd.  
1006, Oaza-Kadoma  
Kadoma-shi, Osaka-fu 571-8501  
JAPAN

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date: June 25, 1998

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:

A. Patent Application No.(s): 09/103,982

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

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6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) Cal. 1 x \$40.00 = \$ 40.00

☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number: 16-0235

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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.

WILLIAM W. SCHWARZE  
Name of Person Signing

William W. Schwarze  
Signature

July 29, 1998  
Date

Total number of pages including cover sheet, attachments and document: [3]

Patent  
Joint

Attorney Docket No. 8861-251  
(P16478-01)

**ASSIGNMENT**

WHEREAS, we, Hajime SERI, Yoshinori YAMADA, Kenichi TAKEYAMA and Teruhisa KANBARA, respectively citizens of Japan with respective post office addresses of 9-20, Takatsu-cho, Izumiotsu City, 595-0042 Japan; 3-21-16, Tsuduyamadai, Tondabayashi City, 584-0086 Japan; 5-1-3-201, Shigino-nishi, Joto-ku, Osaka City, 563-0048 Japan and 1-8-13, Hata, Ikeda City, 563-0021 Japan

, respectively, hereinafter generally referred to as "ASSIGNORS", have invented a certain new and useful Method for detecting working condition of non-aqueous electrolyte secondary batteries for which we have executed an application for Letters Patent of the United States, Serial No. 09/103,982 filed June 24, 1998, and

ASSIGNORS authorize ASSIGNEE or ASSIGNEE's representative to insert the Serial Number and Filing Date of this application if they are unknown at the time of execution of this Assignment.

WHEREAS, Matsushita Electric Industrial Co., Ltd. a Japanese corporation having a place of business at 1006, Oaza-Kadoma, Kadoma City, Osaka-fu, 571-8501 Japan

hereinafter generally referred to as "ASSIGNEE", is desirous of acquiring said invention and said application for Letters Patent:

NOW, THEREFORE, in consideration of the sum of One Dollar and other good and valuable executed consideration, the full receipt and sufficiency of all of which are hereby acknowledged and intending to be legally bound hereby, we, the undersigned ASSIGNORS, hereby agree to sell, assign, transfer and convey and by these presents do sell, assign, transfer and convey unto the above-named ASSIGNEE, the whole and entire right, title and interest

in and to said invention as described in the above patent application for Letters Patent, for the territory of the United States and its possessions and territories and all foreign countries; and

in and to the above application for Letters Patent and any and all United States Letters Patent which may be granted on said application and all United States and foreign Letters Patent which may be granted on said invention including divisions, reissues and continuations;

said invention, application and Letters Patent to be held and enjoyed by the above-named ASSIGNEE, for ASSIGNEE's own use and behoof, and for ASSIGNEE's legal representatives and assigns to the full end of the term or terms for which said Letters Patent may be granted, as fully and entirely as the same would have been held by the undersigned ASSIGNORS had this assignment and sale not been made; and for the aforesaid consideration ASSIGNORS hereby covenant, agree and undertake to execute, whenever requested by the above-named ASSIGNEE, all patent applications, assignments, lawful oaths and any other papers which ASSIGNEE may deem necessary or desirable for securing to ASSIGNEE or for maintaining for ASSIGNEE all the Letters Patent hereby assigned or agreed to be assigned; all without further compensation to the undersigned ASSIGNORS.

June 25, 1998

Date

*Hajime Seri*

Name: Hajime SERI

June 25, 1998

Date

*Yoshinori Yamada*

Name: Yoshinori YAMADA

June 25, 1998

Date

*Kenichi Takeyama*

Name: Kenichi TAKEYAMA

June 25, 1998

Date

*Teruhisa Kanbara*

Name: Teruhisa KANBARA

*Teruhisa Kanbara*

Teruhisa Kanbara