



101568152

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To the Honorable Commissioner of Patents and Trademarks. Please return the attached original documents or copy thereof.

1. Name of conveying party(ies): 12-12-00
Hiroshi MUKAINAKANO
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Seiko Instruments Inc.
Internal Address: _____

Street Address: 8, Nakase 1-chome,
Mihama-ku, Chiba-shi
City: Chiba State: Japan ZIP: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: December 6, 2000

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) 09/317,581 B. Patent No.(s) _____
Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Bruce L. Adams, Esquire
Internal Address: _____

Street Address: Adams & Wilks
50 Broadway-31st Floor
City: New York State: NY ZIP: 10004

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41).....\$ 40.00
 Enclosed
 Authorized to be charged to deposit account
any deficiency in enclosed fee
8. Deposit account number:
01-0268
(Attach duplicate 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.
Bruce L. Adams
Name of Person Signing
Bruce L. Adams
Signature
December 7, 2000
Date

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

ASSIGNMENT

WHEREAS, I, Hiroshi Mukainakano, residing at c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan have invented new and useful improvements in _____
BATTERY STATE MONITORING CIRCUIT AND BATTERY DEVICE

for which I have prepared an application for Letters Patent of the United States of America;

AND WHEREAS, Seiko Instruments Inc., located and doing business at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, is desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern, that for and in consideration of Ten Dollars (\$10.00) and other good and valuable consideration to me in hand paid, the receipt of which is hereby acknowledged, I have assigned, sold and transferred and by these presents do hereby assign, sell and transfer unto the said Seiko Instruments Inc. for the territory of the United States of America, my entire right, title and interest in and to the said invention, and in and to the said application, prepared and executed by me on July 8 1999, filed May 24 1999, Serial No. 09/317,581, preparatory to obtaining Letters Patent thereon and in and to any and all divisions, reissues and continuations thereof, and in and to any Letters Patent that may be granted thereon; said invention, application and Letters Patent to be held and enjoyed by the said Seiko Instruments Inc., its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment, sale and transfer not been made.

AND, I hereby covenant and agree that I will at any time upon the request and at the expense of said assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and I hereby authorize and request the Honorable Commissioner of Patents and Trademarks to issue the said Letters Patent to the said Seiko Instruments Inc. in accordance with this assignment.

Executed this 6th day of December, 2000, ~~XXXX~~ at

Witness:

Masaki Hori
Masaki Hori

Hiroshi Mukainakano (L.S.)
Hiroshi Mukainakano

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)

_____ (L.S.)