

02-09-2000

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

1. Name of conveying party(ies):

Satoshi MACHIDA, Yukito KAWAHARA,
Kentaro KUHARA, Toru SHIMIZU and
Yoshikazu KOJIMA

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Seiko Instruments Inc.

Internal Address: _____

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: Dec. 16, 1999

Street Address: 8, Nakase 1-chome,

Mihama-ku, Chiba-shi

City: Chiba State: Japan ZIP: _____

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

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) 08/712,871

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)

02/08/2000 DNGUYEN 00000240 08712871

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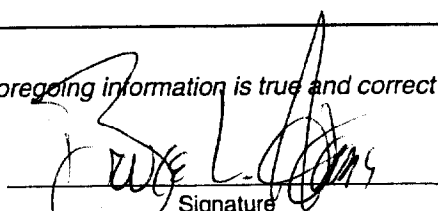
40.00 OP

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



Signature

JAN. 12, 2000

Date

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

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

**MAILING CERTIFICATE ON
REVERSE SIDE OF PAGE**

REEL: 010527 FRAME: 0052

ASSIGNMENT

WHEREAS, we, Satoshi Machida, Yukito Kawahara, Kentaro Kuhara, Toru Shimizu and Yoshikazu Kojima, residing at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, have invented new and useful improvements in SEMICONDUCTOR TEMPERATURE SENSOR AND THE METHOD OF PRODUCING THE SAME for which we 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 us in hand paid, the receipt of which is hereby acknowledged, we 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, our entire right, title and interest in and to the said invention, and in and to the said application, prepared and executed by us on September 30, 1996, filed September 12, 1996, Serial No. 08/712,871, 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 us had this assignment, sale and transfer not been made.

AND, we hereby covenant and agree that we 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

PATENT

REEL: 010527 FRAME: 0053

that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and we 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 16th day of December, 1999

at _____.

Witness:

Akiko Hamabata
Akiko Hamabata

Satoshi Machida (L.S.)
Satoshi Machida

Yukito Kawahara (L.S.)
Yukito Kawahara

Kentaro Kuhara (L.S.)
Kentaro Kuhara

Toru Shimizu (L.S.)
Toru Shimizu

Yoshikazu Kojima (L.S.)
Yoshikazu Kojima

(L.S.)

(L.S.)