

05-11-2005



103000489

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Hiroyuki MURAMATSU, Masataka SHINOGI  
and Takashi NAKAMURA

Execution Date(s) MARCH 22, 2005

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other

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: \_\_\_\_\_

Country: JAPAN

Zip: 261-8507

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

4. Application or patent number(s):

A. Patent Application No.(s)

10/290,952

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Bruce L. Adams

Internal Address: \_\_\_\_\_

Street Address: Adams & Wilks

50 Broadway - 31st Floor

City: New York

State: New York

Zip: 10004

Phone Number: (212) 809-3700

Fax Number: (212) 809-3704

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- ANY DEFICIENCY IN ENCLOSED FEE Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_

Expiration Date \_\_\_\_\_

b. Deposit Account Number 01-0268

Authorized User Name Bruce L. Adams

9. Signature:

*Bruce L. Adams*

Signature

MAY 6, 2005

Date

05/10/2005 1BYRNE 00000138 10290952

01 FC:8021

Bruce L. Adams

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

MAILING CERTIFICATE ON  
REVERSE SIDE OF PAGE

PATENT

REEL: 016533 FRAME: 0382

**ASSIGNMENT**

WHEREAS, we, Hiroyuki MURAMATSU, Masataka SHINOBI and Takashi NAKAMURA residing at c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan have invented new and useful improvements in PIEZOELECTRIC TRANSDUCER, MANUFACTURING METHOD OF  
PIEZOELECTRIC TRANSDUCER AND PULSE WAVE DETECTOR

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 ~~December 20,~~ 2002, filed November 8, 2002, Serial No. 10/290,952, 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 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 22nd day of March, 2005 at

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Witness:

*Masaki Hori*

Masaki Hori

*Hirbyuki Muramatsu*

Hirbyuki MURAMATSU

(L.S.)

*Masataka Shinogi*

Masataka SHINOGI

(L.S.)

*Takashi Nakamura*

Takashi NAKAMURA

(L.S.)