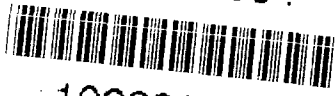


2/2/04

02-04-2004



102661690
PATENT

U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

Form PTO-1595
(Rev. 10/02) R.
OMB No. 0651-0027 (exp. 6/30/2005)
Tab settings ⇨ ⇨ ⇨ ▼ ▼ ▼ ▼ ▼ ▼ ▼ ▼

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

1. Name of conveying party(ies):

Hiroyuki MURAMATSU and
Masataka SHINOGI

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: December 22, 2003

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)
09/933,854
Additional numbers attached? Yes No

B. Patent No.(s)

5. Name and address of party 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: 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)

OPR/FINANCE
FEB - 2 10 7 35

DO NOT USE THIS SPACE

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

January 28, 2004
Date

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

02/03/2004 LMEILLER 00000113 09933854
01 FC:8021 40.00 DP

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**
PATENT
REEL: 014938 FRAME: 0393

ASSIGNMENT

WHEREAS, we, Hiroyuki MURAMATSU and Masataka SHINOBI residing at c/o Seiko Instruments Inc., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan have invented new and useful improvements in _____
ULTRASONIC SENSOR, METHOD OF FABRICATING SAME, AND ULTRASONIC DIAGNOSTIC DEVICE USING AN ULTRASONIC SENSOR

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 October 24, 2001, filed August 20, 2001, Serial No. 09/933,854, 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.

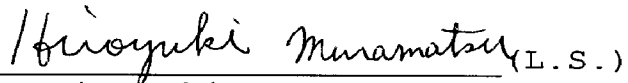
AND, we hereby covenant and agree that we will at any time upon the request and at the expense of said assignee execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention and to obtain Letters Patent therefor, and we hereby 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 December, 2003 at

Witness:



Masaki Hori

 (L.S.)

Hiroyuki MURAMATSU

 (L.S.)

Masataka SHINOGI