

Case No. 11106/22
Client Ref No. 05P00875(US)

ASSIGNMENT

WHEREAS, Kiyoshi ARATAKE, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled PIEZOELECTRIC VIBRATOR, OSCILLATOR, ELECTRONIC PART, ELECTRONIC APPARATUS, METHOD OF FABRICATING PIEZOELECTRIC VIBRATOR AND METHOD OF FABRICATING ELECTRONIC PART, for a full description of which reference is here made to an application for Letters Patent of the United States filed on August 17, 2006 and assigned Application Serial No. 11/506,055;

WHEREAS, Seiko Instruments Inc., a corporation organized and existing under the laws of Japan, having a place of business at 8 Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan 261-8507, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the

PATENT

REEL: 019516 FRAME: 0170

05-30-2007

Client/Matter No. 11106/22

CORRECTED



COVER SHEET

103410899

To the Director of the U.S. Patent and Trademark

Documents or the new address(es) below:

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

KIYOSHI ARATAKE / SEPTEMBER 19, 2006

C 5-25-07

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and Address of receiving Party(ies):

Name: SEIKO INSTRUMENTS INC.

Street Address: 8 Nakase 1-chome,
Mihama-ku, Chiba-shi,
Chiba

Country: Japan

Postal Code: 281-8507

Additional name(s) and addresses attached? Yes No

3. Nature of Conveyance:

Execution Date(s): September 19, 2006

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

4. Application or patent number(s).

This document is being filed together with a new application.

A. Patent Application No.(s)
11/506,055

B. Patent No.(s)

Additional numbers attached? Yes No

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

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312) 321-4200
(312) 321-4299 Fax

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 No. 23-1925.
- Enclosed
- None required (government interest not affecting title)

8. Payment Information:

a. Credit Card: Last 4 Numbers
Expiration Date

b. Charge fee and/or any Deficiencies to Deposit
Account Number: 23-1925
Authorized User Name: Brinks Hofer Gilson & Lione

06/29/2007 DBYRNE 00000051 231925 11506055

FC:8021 40.00 DA

9. Signature:

Tadashi Horie
Signature

May 22, 2007

Date

Tadashi Horie, Reg. No. 40,437

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 1

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22304-1450

PATENT

REEL: 019516 FRAME: 0172

Serial No.: 11/506,055
Atty. Docket No.: 11106/22

ATTACHMENT A

This Assignment is being filed to correct the name of the Assignee. The Assignee should have been listed as **Seiko Instruments Inc.**, however, there was a typographical error on the Recordation Cover Sheet which was filed on October 23, 2006 and it was listed incorrectly as "Seiko Instruments, Inc." Please make the necessary correction to the currently recorded assignment digest Reel/Frame 018455/0779.

10-30-2006

Client/Matter No. 11106/22

RECOF



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103329153

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

10-25-06
TO IPE
OCT 25 2006
PATENT & TRADEMARK SERVICE

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

KYOSHI ARATAKE / SEPTEMBER 19, 2006

Additional name(s) of conveying party(ies) attached?

Yes No

2. Name and Address of receiving Party(ies):

Name: SEIKO INSTRUMENTS, INC.

Street Address: 8, Nakase 1-chome,

Mihama-ku, Chiba-shi,

Chiba

Country: Japan

Postal Code: 261-8507

Additional name(s) and addresses attached? Yes No

3. Nature of Conveyance:

Execution Date(s): September 19, 2006

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

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This document is being filed together with a new application.

A. Patent Application No.(s)
11/506,055

B. Patent No.(s)

Additional numbers attached? Yes No

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

BRINKS HOFER GILSON & LIONE
P.O. BOX 10395
CHICAGO, IL 60610
(312) 321-4200
(312) 321-4299 Fax

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- Authorized to be charged to Deposit Account No. 23-1925.
- Enclosed
- None required (government interest not affecting title)

8. Payment Information:

- a. Credit Card: Last 4 Numbers
Expiration Date
- b. Charge fee and/or any Deficiencies to Deposit
Account Number: 23-1925
Authorized User Name: Brinks Hofer Gilson & Lione

9. Signature:

Tadashi Horie
Signature

October 23, 2006

Date

Tadashi Horie, Reg. No. 40437

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 1

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

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ASSIGNMENT

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NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor will assist the Assignee in the prosecution of the

PATENT

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patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or any such patent application or patent; and that the Assignor will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

In testimony whereof, the Assignor has executed this agreement.

DATED: Sep. 19, 2006 Kiyoshi Aratake.
 Kiyoshi ARATAKE

WITNESSED:
 DATE: _____
 DATE: _____