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PATENTS ONLY

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)

Toshimitsu MOROOKA
Keitaro KOROISHI
Noriyoshi SHOJI
Norimitsu SANBONGIAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) MARCH 8, 2011

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ 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-KUCity: CHIBA-SHI, CHIBA

State: _____

Country: JAPAN Zip: 261-8507Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/932, 125

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: ADAMS & WILKS

Internal Address: _____

Street Address: 17 BATTERY PLACESUITE 1231City: NEW YORKState: NEW YORK Zip: 10004Phone Number: 212-809-3700Fax Number: 212-809-3704

Email Address: _____

6. Total number of applications and patents involved: 17. 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 01-0268Authorized User Name ADAMS & WILKS

9. Signature:

Signature

APR. 21, 2011

Date

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 (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450PATENT
REEL: 026235 FRAME: 0322

ASSIGNMENT

WHEREAS, we, Toshimitsu MOROOKA, Keitaro KOROISHI, Noriyoshi SHOJI and Norimitsu SANBONGI, each residing at c/o SEIKO INSTRUMENTS INC., 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba, Japan, have invented new and useful improvements in THERMAL HEAD, PRINTER, AND MANUFACTURING METHOD FOR THE THERMAL HEAD, for which we have prepared an application for Letters Patent of the United States of America;

AND WHEREAS, SEIKO INSTRUMENTS INC., a Japanese corporation located and doing business at 8, Nakase 1-chome, Mihama-ku, Chiba-shi, Chiba 261-8507, 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 MAR. 1, 2011;
MAR. 7, 2011; MAR. 1, 2011, and MAR. 1, 2011, respectively, filed February 17, 2011, Application Number 12/932,125, 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 8th day of March 2011.

Witness:

Toshimitsu Morooka (L.S.)
Toshimitsu MOROOKA

Keitaro Koroishi (L.S.)
Keitaro KOROISHI

Noriyoshi Shoji (L.S.)
Noriyoshi SHOJI

Norimitsu Sanbongi (L.S.)
Norimitsu SANBONGI