

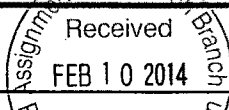
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PATENTS ONLY

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)

Keisuke UEMURA
Jun OSANAI

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

2. Name and address of receiving party(ies)

Name: SEIKO INSTRUMENTS INC.

Internal Address: _____

Street Address: 8, NAKASE 1-CHOME, MIHAMA-KU

City: CHIBA-SHI, CHIBA

State: _____

Country: JAPAN Zip: ~~284850X~~

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

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

Execution Date(s) JANUARY 24, 2014

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

4. Application or patent number(s):

This document serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

B. Patent No.(s)

14/172,229

Additional numbers attached? Yes No

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

Name: BRUCE L. ADAMS, ESQ.

Internal Address: _____

Street Address: ADAMS & WILKS
17 BATTERY PLACE-SUITE 1343

City: NEW YORK

State: NEW YORK Zip: 10004

Phone Number: 212-809-3700

Docket Number: S004-7192

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 to deposit account -- any deficiency in enclosed fee
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 01-0268

Authorized User Name ~~BRUCE L. ADAMS~~ ADAMS & WILKS

9. Signature:

BRUCE L. ADAMS

Name of Person Signing

Signature

FEB. 6, 2014

Date

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. 22313-1450

ASSIGNMENT

WHEREAS, we, Keisuke UEMURA and Jun OSANAI, 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 SEMICONDUCTOR DEVICE, 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, 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 JANUARY 20, 2014 and JANUARY 20, 2014, respectively, filed FEBRUARY 4, 2014, Appl'n. No. 14/172,229, 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 24th day of JANUARY, 2014.

Witness:

Keisuke Uemura (L.S.)
Keisuke UEMURA

Jun Osanai (L.S.)
Jun OSANAI