5/6/10

| Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008) | Doc Code: | 05-07-2010 | 1ENT OF COMMERCE ent and Trademark Office | | | |
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| | RECORDATIC PATE | | | | | |
| To the Director of the U.S. Patent | and Trademark Office | 103596620 | N address(es) below. | | | |
| 1. Name of conveying party(ies) | | 2. Name and address of receiving party(ies) | | | | |
| Tomomitsu RISAKI | | Name:SEIKO INSTRUMENTS INC. | | | | |
| | | Internal Address: | | | | |
| Additional name(s) of conveying party(ie 3. Nature of conveyance/Execu | ıtion Date(s): | Street Address: 8, NAKASE 1- | CHOME, MIHAMA-KU | | | |
| Execution Date(s) MARCH 1 | | | | | | |
| Assignment | Merger | City: CHIBA-SHI, CI | HIRA | | | |
| Security Agreement | Change of Name | | | | | |
| Joint Research Agreement | | State: | | | | |
| Government Interest Assignment Executive Order 9424, Confirmatory License | | Country: JAPAN | Zip: 261-8507 | | | |
| | illiatory License | | | | | |
| Other 4. Application or patent number | ar(e): This | Additional name(s) & address(es) document is being filed togethe | | | | |
| A. Patent Application No.(s) | 1 IIIS | B. Patent No.(s) | | | | |
| 12/733,191 | Additional numbers at | ttached? ☐Yes ✔No | MAY - 6 2010 | | | |
| 5. Name and address to whom | | 6. Total number of application | ons and patents | | | |
| concerning document should | be mailed: | involved: 1 | | | | |
| Name: ADAMS & WILK | S | 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 | | | | |
| Internal Address: | | Authorized to be charged by credit card | | | | |
| | | Authorized to be charged any deficiency i | to deposit account n enclosed fee | | | |
| Street Address: 17 BATTERY F | LACE | Authorized to be charged to deposit account any deficiency in enclosed fee Enclosed None required (government interest not affecting title) | | | | |
| SUITE 1231 | | | it interest not affecting title | | | |
| City: NEW YORK | | 8. Payment Information | | | | |
| State: NEW YORK Zip: 10004 | | a. Credit Card Last 4 Numbers Expiration Date | | | | |
| Phone Number: 212-809-3700 | | b. Deposit Account Number 01-0268 | | | | |
| Fax Number: 212-809-3704 | | 05/96/2010 LMUELLER 00000011 12733191 Authorized User NameADAMS & WILKS | | | | |
| Email Address: | <u> </u> | 01 FC:8021 | 40.00 | | | |
| 9. Signature: | twee L. | CONG MA | Y 3, 2010 | | | |
| | Signature | Tatal number of na | Date ges including cover 3 | | | |
| | E L. ADAMS | sheet, attachment | s, and documents: | | | |
| Name of | Person Signing | at) should be faved to (571) 273-0140, or m | | | | |

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 1460, Alexandria, V.A. 22313-1450

REEL: 024352 FRAME: 0812

ASSIGNMENT

WHEREAS, I, Tomomitsu RISAKI, 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 AND METHOD FOR MANUFACTURING THE SAME, for which I 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 me in hand paid, the receipt of which is hereby acknowledged, I 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, my entire right, title and interest in and to the said invention, and in and to the said application, prepared and executed by me on March 2, 2010, filed February 16, 2010, Application Number 12/733,191, 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

PATENT REEL: 024352 FRAME: 0813 by the said SEIKO INSTRUMENTS INC., its legal representatives and assigns, as fully and entirely as the same would have been held by me had this assignment, sale and transfer not been made.

AND, I hereby covenant and agree that I 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 I 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 | _18th | day | of | March | 2010 |
|----------|------|-------|-----|----|-------|----------|
| | | | | | | |

Witness:

Tomomitsu Risaki

Tomomitau PICAKI

Omina Jinho

RECORDED: 05/06/2010