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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):

Ryosuke NAKAGAWA (03/22/2011) and Yuichi NAKAO (03/22/2011)

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

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

Execution Date(s) in parentheses after inventor name

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

2. Name and address of receiving party(ies)

Name ROHM CO., LTD

Internal Address

Street Address

21, Sain Mizosaki-cho, Ukyo-ku, Kyoto-shi

City Kyoto

State

Country JAPAN Zip 615-8585

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

4. Application or patent number(s):

A Patent Application No (s)
This application

☒ This document is being filed together with a new application

B Patent No (s)

Additional numbers attached? ☐ Yes ☒ No

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

Name Steven M Rabin
RABIN & BERDO, PC

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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
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number

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9. Signature:

Steven M Rabin

Signature

March 25, 2011

Date

Steven M Rabin - 29,102

Name of Person Signing

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

2

FEE ENCLOSED: \$ 40.00
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00-1

Attorney Reference: _____

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Ryosuke NAKAGAWA and Yuichi NAKAO
hereinafter referred to collectively as the assignor, has invented a certain improvement
relating to SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE MANUFACTURING METHOD,
[] the inventor's declaration for said application being executed concurrently with the execution of this
instrument; said application to be filed in the United States Patent and Trademark Office:

[] said application having been filed in the United States Patent and Trademark Office on _____, authorization
being hereby given to my attorneys, Steven M. Rabin (Reg. No. 29,102), Robert H. Berdo, Jr. (Reg. No. 38,075),
Phillip G. Avruch (Reg. No. 46,076) and Allen Wood (Reg. No. 28,134), of RABIN & BERDO, P. C., 1101, 14th Street,
N.W., Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No. _____) the
application serial number of said application when known;

[x] said application having been filed under the Patent Cooperation Treaty on September 25, 2009,
Serial No. PCT/JP2009/004884, the United States of America being designated;

AND WHEREAS ROHM CO., LTD., 21, Saiin Mizosaki-cho, Ukyo-ku, Kyoto-shi, Kyoto 615-8585, Japan
hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and
to said application, including any and all divisions and continuations thereof, and in and to said invention
and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations
thereof:

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable
consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor
hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and
exclusive right, title and interest in and to said application, including any and all divisions and continuations
thereof, and in and to said invention and any and all patents which may be granted therefor, including any and
all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns,
to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof,
and the said invention and any and all patents which may be granted therefor, including any and all renewals,
reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising
from or appertaining thereof, for and during the term or terms of any and all such patents when granted, including
any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said
assignees successors and assigns, in as ample and beneficial a manner as the said assignor might or could have
held and enjoyed the same, if this assignment had not been made:

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors
or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and
all renewals, reissues and prolongations thereof;

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent
on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignees
successors and assigns, in accordance herewith.

EXECUTED, this 22 day of March, 2011.

WITNESSES:

Signature: _____

Name: _____

Address: _____

Signature: _____

Name: _____

Address: _____

ASSIGNOR:

Signature: Ryosuke NakagawaName: Ryosuke NAKAGAWASignature: Yuichi NakaoName: Yuichi NAKAO

PATENT