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8/27/07



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103440525

To the Director of the U.S. Patent

documents or the new address(es) below

FINANCE DIVISION

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

Jamal Ramdani
Mingwei Xu

Execution Date(s) 07/27/2007, 07/27/2007

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

2. Name and address of receiving party(ies)

Name: National Semiconductor Corporation

Internal Address: _____

Street Address: 2900 Semiconductor Drive

City: Santa Clara

State: California

Country: U.S.A. Zip: 95051

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

3. Nature of conveyance:

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

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

11/807,216

00000112 11807216

40.00 OP

Additional numbers attached? Yes No

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

Name: Docket Clerk

Internal Address: _____

Street Address: P.O. Drawer 800889

City: Dallas

State: Texas Zip: 75380

Phone Number: 972-628-3600

Fax Number: 972-628-3616

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 by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 50-0208

Authorized User Name William A. Munck

9. Signature:

William A. Munck

Signature

Aug 27, 2007

Date

William A. Munck, Reg. No. 39,308

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 (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT OF APPLICATION

Docket Number (Optional)

P06839

Whereas, I/We, Mingwei Xu of South Portland, Maine, hereafter referred to as applicant, have invented certain new and useful improvements in SYSTEM AND METHOD FOR PROVIDING A SELF ALIGNED SILICON GERMANIUM (SiGe) HETEROJUNCTION BIPOLAR TRANSISTOR USING A MESA EMITTER-BASE ARCHITECTURE

for which an application for a United States Patent was filed on May 25, 2007
Application Number 11/807,216.

for which an application for a United States Patent was executed on _____, and

Whereas, National Semiconductor Corporation of Santa Clara, California here referred to "assignee" whose mailing address is 2900 Semiconductor Drive is desirous of acquiring the entire right, title and interest in the same;

Now, therefore, in consideration of the sum of Two dollars (\$ 2.00), the receipt whereof is acknowledge, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire rights, title and interest in and to any and all Patents which may be granted therefore in the United States. I/We hereby authorize and request the Director of the U.S. Patent and Trademark Office to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 27th day of July, 20 07
at South Portland, Maine.

Mingwei Xu
Signature
Mingwei Xu
Printed Name/Registration No., if applicable

State of Maine
County of Cumberland SS:

Before me personally appeared said Mingwei Xu and acknowledged the foregoing instrument to be his free act and deed this 27th day of July, 20 07.

Seal Wendy M. Stone
Notary

Note: Signatures of all the inventors or assignees of record of the entire interest of their representative(s) are required. Submit multiple forms if more than one signature is required, See below*.

Total of 2 forms are submitted.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Jamal Ramdani et al.
Application No. : 11/807,216
Filed : May 25, 2007
For : SYSTEM AND METHOD FOR PROVIDING A SELF
ALIGNED SILICON GERMANIUM (SiGe)
HETEROJUNCTION BIPOLAR TRANSISTOR USING A
MESA EMITTER-BASE ARCHITECTURE
Art Unit : 2812
Examiner : Not Yet Assigned

**MAIL STOP ASSIGNMENT
RECORDATION SERVICES**

Director of the U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

Sir:

The undersigned hereby certifies that the following documents:

- 1) Recordation Form Cover Sheet;
- 2) Executed Assignments;
- 3) Check in the amount of \$40.00; and
- 4) A postcard receipt

relating to the above application, were deposited as "First Class Mail" with the United States Postal Service, addressed to Mail Stop Assignment Recordation Services, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, on August 24, 2007.

Date: Aug 24, 2007

Cardace Crawford

Mailer

Date: Aug 24, 2007

William A. Munck

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PATENT

RECORDED: 08/27/2007

REEL: 019768 FRAME: 0720