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Key Docket No. 00939H-089800US

U.S. DEPARTMENT OF COMMERCE  
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114955 U.S. PTO  
11/059777



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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)/Execution Date(s):**

Chang-Ho Do and Jin-Seok Son

Execution Date(s) 11/29/04 and 12/3/04

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

**2. Name and address of receiving party(ies)**

Name: Hynix Semiconductor, Inc.

Internal Address: \_\_\_\_\_

Street Address: San 136-1, Ami-ri, Bubal-eub

City: Ichon-shi, Kyoungki-do

State: \_\_\_\_\_

Country: Republic of Korea Zip: 467-860

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)

Additional numbers attached?  Yes  No

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

Name: Rodney C. LeRoy

Internal Address: \_\_\_\_\_

TOWNSEND AND TOWNSEND AND CREW LLP

Street Address: Two Embarcadero Center,  
Eighth Floor

City: San Francisco

State: California Zip: 94111-3834

Phone Number: (415) 576-0200

Fax Number: (415) 576-0300

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 20-1430

Authorized User Name Townsend and

Townsend and Crew LLP

**9. Signature:**

Rodney C. LeRoy  
Signature

February 16, 2005

Date

Rodney C. LeRoy

Name of Person Signing Atty. Reg. No. 53,205

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

4

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**PATENT**  
**REEL: 016299 FRAME: 0275**

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, DO, Chang-Ho and SON, Jin-Seok

of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860, Republic of Korea

hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

METHOD FOR MEASURING OFFSET VOLTAGE OF SENSE AMPLIFIER  
Title of Invention: AND SEMICONDUCTOR MEMROY DEVICE EMPLOYING THE METHOD

Date(s) of execution of Declaration: 11/29/04 and 12/3/04

Filing Date: February 16, 2005

Application No.: \_\_\_\_\_; and

WHEREAS, Hynix Semiconductor, Inc. of San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Kyoungki-do 467-860, Republic of Korea hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.