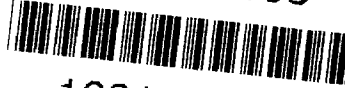


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To the Director of the U.S. Patent and Trademark Office: Please return documents or the new address(es) below.

**1. Name of conveying party(ies)**

Jae Won Cha

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) October 26, 2005☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other \_\_\_\_\_**2. Name and address of receiving party(ies)**Name: Hynix Semiconductor Inc.

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

San 136-1, Ami-ri, Bubal-eub,  
Street Address: Icheon-siCity: Kyoungki-do

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

Country: Republic of Korea Zip: \_\_\_\_\_Additional name(s) & address(es) attached? ☐ Yes ☒ No**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: Steve Y. Cho

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

TOWNSEND AND TOWNSEND AND CREW LLPStreet Address: Two Embarcadero Center,  
Eighth FloorCity: San FranciscoState: California Zip: 94111-3834Phone Number: (415) 576-0200Fax Number: (415) 576-0300Email Address: scho@townsend.com**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 20-1430Authorized User Name Townsend andTownsend and Crew LLP**9. Signature:**Christopher Li (for Steve Y. Cho 44612)

Name of Person Signing

Atty. Reg. No. 57,247

December 7, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 2Documents 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, VA 22313-1450

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**ASSIGNMENT OF PATENT APPLICATION**

**SOLE**

WHEREAS, the below-listed individual, herein referred to as "Assignor," is the inventor of the invention described and set forth in the following application for United States Letters Patent:

NON-VOLATILE MEMORY DEVICE AND METHOD FOR OPERATION PAGE  
BUFFER THEREOF

Filed \_\_\_\_\_, as U.S. Application No. \_\_\_\_\_

WHEREAS, Hynix Semiconductor Inc., of San 136-1, Ami-ri, Bubal-eub, Icheon-si, Kyongki-do, 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.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111-3834, to insert hereinabove the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Date: October 26, 2005

Jae-won CHA  
Name: Jae Won CHA