

FORM PTO-1619A

RECORDA



DEPARTMENT OF COMMERCE

(Rev. 6-99)

PA

101930334

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

MRD 12-21-01

JC903 U.S. PTO  
10/024366  
12/21/01

1. Submission Type

New

Resubmission (Non-Recordation)  
Document ID # \_\_\_\_\_

Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

2. Name of Conveying Party(ies):  
**JEON, BYUNG DEUK**

Additional Name(s) of conveying party(s) attached?  Yes  No

3. Name and Address of Receiving Party(ies):

Name: **HYNIX SEMICONDUCTOR INC.**

Street Address: **San 136-1 Ami-Ri, Bubal-Eub,  
Kyoungki-Do**

City: **Ich'on**

State/Country: **Korea** Zip: \_\_\_\_\_

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

4. Nature of conveyance:

Assignment  Merger

Security Agreement  Change of Name

Other: \_\_\_\_\_

Execution Date: **12102001**

5. Application number(s) or patent number(s):

If this document is being filed together with a new application,  
 the first execution date of the application is: **12102001**

the filing date of the application is: **12212001**

10024366

A. Patent Application No.(s) \_\_\_\_\_ B. Patent No.(s) \_\_\_\_\_

6 Name and address of party to whom correspondence concerning this matter should be mailed:

**CUSTOMER NUMBER 00136**

or

JACOBSON, PRICE, HOLMAN & STERN, PLLC  
400 Seventh Street, N.W.  
Washington, DC 20004  
Tel. 202-638-6666

Attorney Docket No. **P67417US0**

7. Number of applications and patents

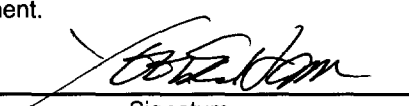
8. Total fee (37 CFR 3.41) ..... \$ **40.00**

Enclosed

Any deficiencies in enclosed fees are authorized to be charged to deposit account **06-1358**.

DO NOT USE THIS SPACE

10. Statement and Signature.  
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**Yoon S. Ham/45,307**  **December 21, 2001**

\_\_\_\_\_  
Name of Person Signing/Reg. No. Signature Date

Total number of pages excluding cover sheet:

12/27/2001 AMONDAF1 00000012 10024366  
02 FC:581 40.00 DP

**UNITED STATES OF AMERICA - ASSIGNMENT**

(1-5) **Insert Name(s) of Inventors** (1) Byung Deuk JEON  
 (2) \_\_\_\_\_  
 (3) \_\_\_\_\_  
 (4) \_\_\_\_\_ and  
 (5) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to

(6) **Insert Name of Assignee** (6) Hynix Semiconductor Inc.  
 (7) **Insert Address of Assignee** (7) of San 136-1, Ami-ri, Bubal-eub, Ich'on, Kyounqki-do, Korea  
 (8) **Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan)** (8) a Corporation of Republic of Korea  
 (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as  
 (9) **Insert Identification of Invention, such as Title, Case Number or Foreign Application Number** (9) LOW POWER SEMICONDUCTOR MEMORY DEVICE HAVING A NORMAL MODE AND A PARTIAL ARRAY SELF REFRESH MODE  
 for which the undersigned has (have) executed an application for patent in the United States of  
 (10) **Insert Date of signing of Application, or filing date and Serial No., if known** (10) Said application having been executed/filed on December 21, 2001 (and assigned Serial No. New Application )

- 1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims provisions of the International Union for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any agreement in conflict herewith.
- 6) Assignor hereby further assigns to Assignee all claims and causes of action for infringement of the patent rights assigned herein, including right to sue for, and collect damages for, any and all acts of past and future infringement.
- 7) The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C.

20004, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	<u>December 10, 2001</u>	Name of Inventor	<u>Byung Deuk JEON</u>	<u>Jeon Byung Deuk</u> (SEAL)
			typed name	signature
Date	_____	Name of Inventor	_____	(SEAL)
			typed name	signature
Date	_____	Name of Inventor	_____	(SEAL)
			typed name	signature
Date	_____	Name of Inventor	_____	(SEAL)
			typed name	signature
Date	_____	Name of Inventor	_____	(SEAL)
			typed name	signature

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Additional inventor's names and on a separate sheet.

Witness JH Kim  
 Witness J. Y. Kim

LAW OFFICES OF  
**JACOBSON HOLMAN**  
 PROFESSIONAL LIMITED LIABILITY COMPANY  
 THE JENIFER BUILDING  
 400 SEVENTH STREET, N.W.  
 WASHINGTON, D.C. 20004