



04-10-2003



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ER SHEET

Attorney Docket No.: 054216-5050

To the Commissioner for Patents  
Please record the attached original documents or copy thereof.

**ATTN: BOX ASSIGNMENT**

1. Name of conveying party(ies):

1. Sung Mun JUNG  
2. Jum Soo KIM

Additional names of conveying party(ies) attached?  
 Yes  No

4-2-03

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

Name: Hynix Semiconductor Inc.

Internal Address:

Street Address: San 136-1, Ami-Ri, Bubal-Uep, Ichon-Shi,  
Kyungki-Do, Republic of Korea

City:  
State: Zip:

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

3. Nature of conveyance:

Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: March 4, 2003

4. New Application number(s) or patent number(s): 10/315,246

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

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

Additional numbers attached:  Yes  No

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

Name: Robert J. Gaybrick

Internal Address: **Morgan, Lewis & Bockius LLP**  
Customer No. 09629

Street Address: 1111 Pennsylvania Avenue, N.W.  
City: Washington State: D.C. Zip: 20004

6. Total number of applications and patents involved:

7. Total fee (37 C.F.R. §3.41): \$40.00  
 Enclosed  
 Authorized to be charged to Deposit Account 50-0310

8. Deposit Account No. 50-0310  
 (Attach duplicate page if paying by deposit account)

9. 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.

Robert J. Goodell Reg. No. 41,040  
 Name of Person Signing

Signature

April 2, 2003  
 Date

Total number of pages including cover sheet, attachments and documents: 2

04/10/2003 LMUELLER 00000008 500310 10315246  
01 FC:8021 40.00 CH

**ASSIGNMENT**

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

**METHOD OF ERASING FLASH MEMORY CELLS**

for which I/WE executed an application for United States Letters Patent concurrently herewith; or filed an application for United States Letters Patent on December 10, 2002, (Application No. 10/315,246); and

WHEREAS, **Hynix Semiconductor Inc.**, a corporation of **Republic of Korea**, whose post office address is **San 136-1, Ami-Ri, Bubal-Uep, Ichon-Shi, Kyungki-Do, Republic of Korea** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys I/WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 10/315,246, filed December 10, 2002) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I/WE have hereunto set our hand(s):

Full Name of Second Assignor Sung Mun JUNG	Assignor's Signature <i>JUNG Sung Mun</i>	Date March 4, 2003
Address Hyunjin Evervill 103-1403, Shinhae-Ri, Ganam-Myun, Yeoju-Gun, Kyungki-Do, Republic of Korea		Citizenship Republic of Korea
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Full Name of Sole or First Assignor Jum Soo KIM	Assignor's Signature <i>Jum Soo Kim</i>	Date March 4, 2003
Address Hyundai Apt. 105-104, 148-1, Ami-Ri, Bubal-uep, Ichon-Shi, Kyungki-Do, Republic of Korea		Citizenship Republic of Korea
Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		