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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/Execution Date:**

Mun Phil Park

Execution Date: June 18, 2004

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

**3. Nature of Conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

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

Name: HYNIX SEMICONDUCTOR INC.

Street Address:

San 136-1, Ami-Ri,  
Bubal-Uep, Ichon-Shi  
Kyungki-Do 467-860  
Republic of Korea

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

**4. Application or patent number(s):**

A. Patent Application No.  
10/878,770

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Randall G. Rueth  
MARSHALL, GERSTEIN & BORUN LLP  
 Atty. Dkt.: 29936/40294  
 Street Address: 233 S. Wacker Drive, Suite 6300  
Sears Tower

City: Chicago  
 State: IL Zip: 60606-6357  
 Phone Number: (312) 474-6300  
 Fax Number: (312) 474-0448  
 Email Address: \_\_\_\_\_

**6. Total number of applications and patents involved:**

1

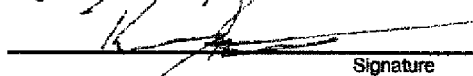
**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

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

**8. Payment Information:**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
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 b. Deposit Account Number 13-2855  
 Authorized User Name Randall G. Rueth

**9. Signature**



Signature

September 20, 2004

Date

Randall G. Rueth - 45,887

Name of Person Signing

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

3

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 306-5995, on the date shown below.

Dated: September 20, 2004

Signature: 

(Randall G. Rueth)

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4.AUG.2004 17:33

SEJONG

NO.476 P.3

Attorney Docket: 29936/40294

**ASSIGNMENT**

Serial No: 10/878,770

Filed: June 28, 2004

Title: CIRCUIT FOR CONTROLLING PULSE WIDTH

For good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign(s) to Hynix Semiconductor Inc., of San 136-1, Ami-Ri, Bubai-Uep, Ichon-Shi, Kyungki-Do, Republic of Korea, (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, and in said application and any and all other U.S. applications which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee. The undersigned also hereby authorizes the attorneys of Marshall, Gerstein & Borun to insert the filing date and serial number of this application in the blanks above when they become known.

The undersigned warrant(s) themselves (himself/herself) to be the owners (owner) of the interest herein assigned and to have the right to make this assignment and further warrant(s) that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree(s), upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application that said assignee, its successors or assigns, may deem necessary or expedient, and for the aforesaid consideration the undersigned further agree(s) upon the request of said assignee, its successors or assigns, in the event of any application or Letters Patent assigned herein becoming involved in Interference, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said Letters Patent in the United States and to vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

4.AUG.2004 17:33 SEJONG

NO.476 P.4  
Attorney Docket: 29936/40294

SIGNED:

Date: JUNE 18, 2004

Mun Phil PARK.  
Name: Mun Phil PARK