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_____ed documents or the new address(es) below.

1. Name of conveying party(ies): Young Hoon OH Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>Hynix Semiconductor Inc.</u> Internal Address: _____ Street Address: _____ <u>San 136-1, Ami-ri, Bubal-eub, Ichon-shi</u> City: <u>Gyeonggi-do</u> State: _____ Country: <u>Republic of Korea</u> Zip: <u>467-860</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>June 26, 2007</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		4. Application or patent number(s): <input checked="" type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>This application</u> B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Jeffri A. Kaminski</u> <u>VENABLE LLP</u> Internal Address: Street Address: <u>P.O. Box 34385</u> City: <u>Washington</u> State: <u>DC</u> Zip: <u>20043-9998</u> Phone Number: <u>(202) 344-4000</u> Fax Number: <u>(202) 344-8300</u> Email Address: _____		6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
		8. Payment Information a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>22-0261</u> Authorized User Name <u>Jeffri A. Kaminski</u>	
9. Signature: <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  _____ Signature </div> <div style="text-align: center;"> <u>7/18/07</u> _____ Date </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;"> <u>Jeffri A. Kaminski - 42,709</u> Name of Person Signing </div> <div style="text-align: right;"> Total number of pages including cover sheet, attachments, and documents: 5 </div> </div>			

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PATENT
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ASSIGNMENT BY INVENTOR

THIS ASSIGNMENT by Young Hoon, OH (hereinafter referred to as Assignor), residing at San 136-1, Ami-ri, Bubal-eub, Ichon-si, Gyeonggi-do 467-860, Republic of Korea;


WHEREAS, Assignor has invented certain new and useful improvements in DELAY APPARATUS, AND DELAY LOCKED LOOP CIRCUIT AND SEMICONDUCTOR MEMORY APPARATUS USING THE SAME, set forth in a Patent application for Letters Patent of the United States, filed herewith; and

WHEREAS, Hynix Semiconductor Inc., a organized under and pursuant to the laws of Republic of Korea having its principal place of business at San 136-1, Ami-ri, Bubal-eub, Ichon-shi, Gyeonggi-do 467-860, Republic of Korea (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND for the same consideration, Assignor hereby represents and warrants to Assignee, its successors, legal representatives and assigns, that, at the time of execution and

AND Assignor acknowledges an obligation of assignment of this invention to
Assignee at the time the invention was made.



Assignor

Date: Jun 26. 2007

United States of America)
State of _____) ss.:
County of _____)

On this _____ day of _____, _____, before me personally came _____, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public