

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hyun Woo Lee</td><td>06/24/2008</td></tr><tr><td>Won Joo Yun</td><td>06/24/2008</td></tr></tbody></table>	Name	Execution Date	Hyun Woo Lee	06/24/2008	Won Joo Yun	06/24/2008	
Name	Execution Date						
Hyun Woo Lee	06/24/2008						
Won Joo Yun	06/24/2008						
RECEIVING PARTY DATA							
Name:	Hynix Semiconductor, Inc.						
Street Address:	San 136-1, Ami-ri, Bubal-eub, Ichon-si						
Internal Address:	Gyeonggi-do						
City:	Ichon						
State/Country:	KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF						
Postal Code:	467-860						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12172887</td></tr></tbody></table>	Property Type	Number	Application Number:	12172887			
Property Type	Number						
Application Number:	12172887						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Noel C. Gillespie						
Total Attachments: 3 source=Assignment#page1.tif source=Assignment#page2.tif							

CH \$40.00 12172887

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PATENT
REEL: 021415 FRAME: 0924

ASSIGNMENT

WHEREAS, I the undersigned inventor of residence as listed, have invented certain new and useful improvements as below entitled, for which an application for United States Letters Patent is made, said application having been designated as set forth below and filed on or about the date set forth below; and

WHEREAS, Hynix Semiconductor Inc. (hereinafter referred to as "Assignee"),

with an address of: San 136-1, Ami-ri, Bubal-eub, Ichon-si,
Gyeonggi-do 467-860, Republic of Korea

desires to acquire the entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent(s) that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I assign to Assignee, all right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and I authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as my interest is concerned, to Assignee.

I also assign to Assignee, all right, title and interest in and to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

I will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, I will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Invention Name: **DELAY CIRCUIT OF DELAY LOCKED LOOP HAVING
SINGLE AND DUAL DELAY LINES AND CONTROL
METHOD OF THE SAME**

Serial No.: 12/172,887

Date Filed: July 14, 2008

I hereby grant JOHN G. FLAIM, Registration No. 37,323, BRIAN C. McCORMACK, Registration No. 36,601, WILLIAM D. McSPADDEN, Registration No. 44,234, JAMES H. ORTEGA, Registration No. 50,554, RICHARD V. WELLS, Registration No. 53,757, HOWARD WISNIA, Registration No. 37,502, NOEL C. GILLESPIE, Registration No. 47,596, ROGER C. KUAN, Registration No. 56,558, KEVIN O'BRIEN, Registration No. 30,578, JAMES P. CONLEY, Registration No. 52,459, and all practitioners with the firm of Baker & McKenzie LLP (Customer Number 23562) with an office at 2001 Ross Avenue, Suite 2300, Dallas, TX 75201, 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.

The undersigned further declares that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful and false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor:

Hyun Woo Lee

Inventor(s) Name:

Hyun Woo, LEE

Residence:

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Citizenship:

Korean

Date:

2008. 6. 24

Signature of Inventor: Won Joo Yun

Inventor(s) Name: Won Joo, YUN

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Date: 2008. 6. 24

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