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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.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Moon Sik Suh (06/23/05)	Name: HYNIX SEMICONDUCTOR INC.
Additional name(s) of conveying party(ies) attached?  Yes X No  No  Nature of conveyance/Execution Date(s):	Internal Address: Street Address:
Execution Date(s): in parentheses after inventor name	San 136-1, Ami-ri, Bubal-eup
x Assignment Merger Change of Name	
homeonia   homeonia	
Security Agreement Joint Research Agreement	City: Icheon-shi
Government Interest Assignment	State: Gyunggi-do
Executive Order 9424, Confirmatory License  Other	Country: Republic of Korea Zip: 467-860  Additional name(s) & address(es) Yes X No attached:
4. Application or patent number(s): This document is being filed together with a new application.	
A. Patent Application No.(s)  11/166,482	B. Patent No.(s)
117100,462	
Additional numbers attached?	Yes X No
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Sandip H. Patel MARSHALL, GERSTEIN & BORUN LLP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.; 29925/41187	Authorized to be charged by credit card
Street Address: 233 S. Wacker Drive, Suite 6300 Sears Tower	X Authorized to be charged to deposit account
	None required (government interest not affecting title)
City: Chicago	8. Payment Information
State: IL Zip: 60606-6357	a. Credit Card Last 4 Numbers
Phone Number: (312) 474-6300	Expiration Date
Fax Number: (312) 474-0448	b. Deposit Account Number 13-2855
Email Address:	Authorized User Name Sandip H. Patel
9. Signature:	July 18, 2005
Signature	Date
Sandip H. Patel - 43,848 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: July 18, 2005 Signature:	(Sandip H. Patel)

**PATENT REEL: 016543 FRAME: 0151**  07/18/2005 03:36:29 PM

Karin Krahn

MarshallGerstein

Page

Foreign

Atty. Docket No. 29925/41187

## ASSIGNMENT

Serial No:

11/166,482

Filed:

June 24, 2005

Title: Method For Manufacturing Semiconductor Device with Recess Channels and Asymmetrical Junctions

For ten dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to, Hynix Semiconductor Inc. of San 136-1, Ami-ri, Bubal-eup, Icheon-shi, Gyunggi-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 the above-identified application for Letters Patent of the United States, and in said application and any and all other applications, both United States and foreign, 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 and foreign countries, 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 hereby authorize(s) and request(s) the attorneys of record in said application to insert in this assignment the executed date and/or filing date and serial number of said application when officially 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 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, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said 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, both United States and foreign, and 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.

> PATENT REEL: 016543 FRAME: 0152

Foreign

WITNESS my (our) hand(s) this 22th day of April , 2005

Witnesses:

Name: LEE, Youn-joo

SUH, Moon Sik

**RECORDED: 07/18/2005** 

PATENT REEL: 016543 FRAME: 0153