

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Hyun Jung KIM	12/20/2010
<b>RECEIVING PARTY DATA</b>	
Name:	Hynix Semiconductor Inc.
Street Address:	San 136-1, Ami-ri, Bubal-eup, Icheon, Gyeonggi-do
City:	Icheon
State/Country:	REPUBLIC OF KOREA
Postal Code:	467-701
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12979323
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ATTORNEY DOCKET NUMBER:	100BK-014400US
NAME OF SUBMITTER:	Steve Y. Cho
Total Attachments: 1 source=2010_12_28_ASSGMT_100BK-014400US#page1.tif	

OP \$40.00 12979323

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**PATENT**  
**REEL: 025542 FRAME: 0382**

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:

VERTICAL SEMICONDUCTOR DEVICE AND METHOD OF  
MANUFACTURING THE SAME

Date(s) of Execution of Declaration: December 20, 2010

Filing Date: December 27, 2010

Application No.: 12/979,323 ; and

WHEREAS, Hynix Semiconductor Inc. of San 136-1, Ami-ri, Bubal-eup, Icheon-si, Gyeonggi-do 467-701, Republic of Korea, hereinafter referred to as "ASSIGNEE," is desirous of acquiring ASSIGNORS' interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignees' successors and assigns, all their right, title and interest in and to the said invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignees as fully and exclusively as it would have been held and enjoyed by said Assignors had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request AMPACC Law Group, 3500 188th St. SW, Suite 103, Lynnwood, WA 98037, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

December 20, 2010  
Date:

Hyun Jung  
Name: Hyun Jung KIM