

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Whee Won CHO</td><td>12/17/2007</td></tr><tr><td>Jung Geun KIM</td><td>12/17/2007</td></tr><tr><td>Eun Soo KIM</td><td>12/17/2007</td></tr></tbody></table>	Name	Execution Date	Whee Won CHO	12/17/2007	Jung Geun KIM	12/17/2007	Eun Soo KIM	12/17/2007	
Name	Execution Date								
Whee Won CHO	12/17/2007								
Jung Geun KIM	12/17/2007								
Eun Soo KIM	12/17/2007								
RECEIVING PARTY DATA									
Name:	Hynix Semiconductor Inc.								
Street Address:	San 136-1, Ami-ri, Bubal-eub, Kyoungki-do								
City:	Icheon-si								
State/Country:	REPUBLIC OF KOREA								
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>11965368</td></tr></tbody></table>	Property Type	Number	Application Number:	11965368					
Property Type	Number								
Application Number:	11965368								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	Kelly Pedersen								
Total Attachments: 1 source=00939C-157100US-ASN#page1.tif									

CH 11965368 \$40.00

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PATENT  
REEL: 020469 FRAME: 0884

Attorney Docket No.: \_\_\_\_\_  
Client Ref. No. \_\_\_\_\_

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, the below-listed individuals, herein referred to as "Assignors," are the inventors of the invention described and set forth in the following application for United States Letters Patent:

**SEMICONDUCTOR DEVICE AND METHOD OF FORMING CONTACT PLUG OF SEMICONDUCTOR DEVICE**

Filed 12-27-07, as U.S. Application No. 11/965,368

WHEREAS, Hynix Semiconductor Inc., of San 136-1, Ami-ri, Bubal-eub, Icheon-si, Kyoungki-do, Republic of Korea hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations 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, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111-3834, 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.

Date: December 17, 2007

Wheewon Cho  
Name: Whee Won CHO

Date: December 17, 2007

Jung Geun Kim  
Name: Jung Geun KIM

Date: December 17, 2007

Eun Soo Kim  
Name: Eun Soo KIM

**PATENT**