

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Je Il RYU		11/01/2007
You Sung KIM		11/01/2007
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		
Property Type	Number	
Application Number:	11951170	
CORRESPONDENCE DATA		
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Address Line 4:	San Francisco, CALIFORNIA 94111-3834	
ATTORNEY DOCKET NUMBER:	00939C-153400US	
NAME OF SUBMITTER:	Kelly Pedersen	
Total Attachments: 1 source=00939C-153400US-ASN#page1.tif		

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PATENT  
REEL: 020452 FRAME: 0562

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 MEMORY DEVICE**

Filed 12-05-07, as U.S. Application No. 11/951,170

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;

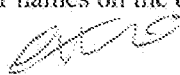
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial 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.

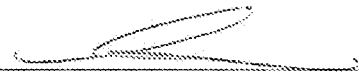
Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th Floor, San Francisco, California 94111-3834, to insert herein above the application number and filing date of said application when known.

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

Date: November 1, 2007

  
Name: Je Il RYU

Date: November 1, 2007

  
Name: You Sung KIM