

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3545990

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KYUNG KYU MIN	09/23/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SK HYNIX INC.
<b>Street Address:</b>	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, GYEONGGI-DO
<b>City:</b>	ICHEON
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	467-734
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14864726
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(425)348-3299
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	425-348-3500
<b>Email:</b>	docketing@ampacc.com
<b>Correspondent Name:</b>	AMPACC LAW GROUP, PLLC
<b>Address Line 1:</b>	6100 219TH ST. SW
<b>Address Line 2:</b>	SUITE 580
<b>Address Line 4:</b>	MOUNTLAKE TERRACE, WASHINGTON 98043
<b>ATTORNEY DOCKET NUMBER:</b>	K100BK-042510US
<b>NAME OF SUBMITTER:</b>	STEVE Y. CHO
<b>SIGNATURE:</b>	/STEVE Y. CHO/
<b>DATE SIGNED:</b>	09/28/2015
<b>Total Attachments: 2</b>	
source=2015_09_25_ASSGMT_K100BK-042510US#page1.tif	
source=2015_09_25_ASSGMT_K100BK-042510US#page2.tif	

## DECLARATION AND ASSIGNMENT OF PATENT APPLICATION

As a below named inventor, I hereby declare that:

This declaration is directed to the application attached hereto, or if not attached hereto, the below-identified application:

Title of Invention: SEMICONDUCTOR DEVICE AND METHOD  
FOR FORMING THE SAME

Filing Date: September 24, 2015

Application No.: 14/864,726

Attorney Docket No.: K100BK-042510US

The application was made or authorized to be made by me;

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statements made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.

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

WHEREAS, SK Hynix Inc., located at 2091, Gyeongchung-daero, Bubal-eub, Gyeonggi-do, Icheon, Republic of Korea 467-734, 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;

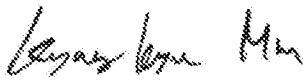
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all their right, title and interest in and to the said invention and application including any corresponding foreign application, and in and to any Letters Patent which may hereafter be granted on the same in the United States and any corresponding foreign application, the said interest to be held and enjoyed by said Assignee 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, PLLC, 6100 219<sup>th</sup> Street SW, Suite 580, Mountlake Terrace, WA 98043, to insert herein above the title, application number, and filing date of said application when known.

IN TESTIMONY WHEREOF, each below named inventor, collectively Assignors,  
has signed on the dates indicated.

.....  
Date: 2015 / 9 / 23

  
.....  
Inventor's Name: Kyung Kyu MIN

SK hynix  
CONFIDENTIAL