

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT3457993

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MYEONGJIN KIM	07/03/2015
SANG-WOO HAN	07/03/2015
EUI-YOUNG CHUNG	07/03/2015
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<b>Postal Code:</b>	120-749
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14809044
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	STEVE Y. CHO
<b>SIGNATURE:</b>	/STEVE Y. CHO/
<b>DATE SIGNED:</b>	07/28/2015
<b>Total Attachments: 1</b> source=2015_07_27_ASSGMT_K100KP-059900US#page1.tif	

**ASSIGNMENT OF PATENT APPLICATION**

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

Title of Invention: SEMICONDUCTOR DEVICE MANAGING  
POWER BUDGET AND OPERATING METHOD  
THEREOF

Filing Date: July 24, 2015

Application No.: 14/809,044

WHEREAS, SK hynix Inc., located at 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea, and Industry-Academic Cooperation Foundation Yonsei University, located at 1st floor Yonsei Engineering Research Park, Yonsei University 50 Yonsei-ro, Seodaemun-gu, Seoul, 120-749 Republic of Korea, hereinafter referred to as "ASSIGNEES," are desirous of acquiring Assignor's interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

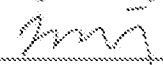
NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignees, and Assignee's successors and assigns, all 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 Assignees as fully and exclusively as it would have been held and enjoyed by said Assignor 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.

Assignor further agrees that he or she will, without charge to Assignees, 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 Assignees, or Assignee's successors and assigns.


Assignor hereby authorizes and requests AMPACC Law Group, PLLC, 6100 219<sup>th</sup> Street SW, Suite 580, Mountlake Terrace, WA 98043, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

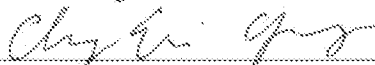
Date: July 3rd 2015

  
Name: Myeongjin KIM

Date: July 3rd 2015

  
Name: Sang-Woo HAN

Date: July 3rd 2015

  
Name: Eui-Young CHUNG