

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2972262

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WAN CHOON PARK	07/10/2014
<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:	14452374
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	IM SEON SONG
<b>SIGNATURE:</b>	/Im Seon Song/
<b>DATE SIGNED:</b>	08/07/2014
<b>Total Attachments: 1</b>	
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### 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 DEVICES HAVING THROUGH ELECTRODES, METHODS OF MANUFACTURING THE SAME, AND SEMICONDUCTOR PACKAGES INCLUDING THE SAME

Filing Date: August 5, 2014

Application No.: 14/452,374

WHEREAS, SK hynix Inc., located at 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea, hereinafter referred to as "ASSIGNEE," is 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 Assignee, 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 Assignee 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 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.

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.

0/10/2014

Wan Choon Park

Date:

Name: Wan Choon PARK