503038274 10/28/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JIN WOO PARK	10/17/2014
SUNG SU PARK	10/17/2014
BAE YONG KIM	10/17/2014

RECEIVING PARTY DATA

Name:	SK hynix Inc.	
Street Address:	2091, Gyeongchung-daero, Bubal-eub	
City:	Icheon	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	467-734	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14526073

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Email: docketing@ampacc.com

AMPACC LAW GROUP, PLLC **Correspondent Name:**

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Address Line 2: SUITE 580

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

ATTORNEY DOCKET NUMBER:	K100AJ-055100US	
NAME OF SUBMITTER:	STEVE Y. CHO	
SIGNATURE:	/Steve Y. Cho/	
DATE SIGNED:	10/28/2014	

Total Attachments: 2

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PATENT REEL: 034055 FRAME: 0309 503038274

Attorney Docket No.: K100AJ-055100US Client Reference No.: HYP14768/US

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual(s), hereinafter referred to as "Assignors," are the inventor(s) 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 FABRICATING THE SAME, ELECTRONIC SYSTEMS INCLUDING THE SAME, AND MEMORY CARDS INCLUDING SAME

Filing Date:

October 28, 2014

Application No.:

14/526,073

WHEREAS, SK hynix, Inc. of 2091, Gyeongchung-daero, Bubal-enb, Icheon-si, Gyeonggi-do 467-734, Republic of Korea, 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 Assignees, and Assignees' 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 Assignees as fully and exclusively as it would have been held and enjoyed by said Assigners had this Assignment and transfer not been made, to the full end and term of any Letters Palent 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 219th Street SW, Suite 580, Mountlake Terrace, WA 98043, to insert herein above the application number and filing date of said application when known.

Date: Oct / 19th / 2014 Name: Sin Woo PARK

Date: Oct / 19th : 2014 Name: Sung Su PARK

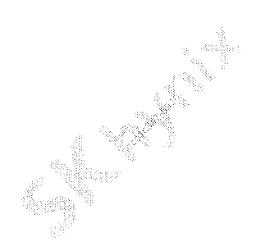
Stag Su PARK

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

Assignment
Attorney Docket No.: K100AJ-055100US
Page 2

Date:

Name: Bac Yong KIM



RECORDED: 10/28/2014