# 505103443 09/20/2018

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5150202

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
HYUNG-SUP KIM	09/10/2018
HYUNG-SIK WON	09/10/2018

## **RECEIVING PARTY DATA**

Name:	SK HYNIX INC.	
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB, GYEONGGI-DO	
City:	ICHEON	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	17336	

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	16136069

### **CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	STEVE Y. CHO
SIGNATURE:	/Steve Y. Cho/
DATE SIGNED:	09/20/2018

**Total Attachments: 1** source=40S2423#page1.tif

PATENT 505103443 REEL: 047115 FRAME: 0094

Attenticy Docket No.: 100SS0782US Client Reference No.: P17H0247/US/wss

SHINSUNG: IVX000140853(P17H0247/US)

#### ASSIGNMENT OF PATENT APPLICATION

WHEREAS, the below named individual(s), heremafter 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:

CONVERGED MEMORY DEVICE AND

OPERATION METHOD THEREOF

Filing Date.

September 19, 2018

Application No.:

16/136,069

WHEREAS, SK bynix Inc. of 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyconggi-do, 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 Assignces, 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 be reafter 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 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 liftle 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,

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

indicated.

Name: KIM, Hyung-Sup

Sept. 10 - 2018

USU 1/1907-34

Name: WON, Hyung-Sik

SKhynix

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