504994000 07/09/2018

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5040748

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEUNG-GYU JEONG	06/25/2018
DO-SUN HONG	06/25/2018
JUNG-HYUN KWON	06/25/2018
WON-GYU SHIN	06/25/2018

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:	16029083

CORRESPONDENCE DATA

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Phone: 425-348-3500

Email: docketing@ampacc.com **Correspondent Name:** AMPACC LAW GROUP, PLLC

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Address Line 2: SUITE 580

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

ATTORNEY DOCKET NUMBER:	100SN0789US	
NAME OF SUBMITTER:	KEVIN W. RAUDEBAUGH	
SIGNATURE:	/Kevin W. Raudebaugh/	
DATE SIGNED:	07/09/2018	

Total Attachments: 2 source=40L4777#page1.tif source=40L4777#page2.tif

> **PATENT** REEL: 046293 FRAME: 0130 504994000

Attorney Docket No.: 100SN0789US Client Reference No.: OPX17214-116US/KSK

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:

MEMORY CONTROLLER, SEMICONDUCTOR

MEMORY SYSTEM INCLUDING THE SAME,

AND METHOD OF DRIVING THE

SEMICONDUCTOR MEMORY SYSTEM

Filing Date:

July 6, 2018

Application No.:

16/029,083

Attorney Docket No.:

100SN0789US

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 individuals, hereinafter referred to as "Assignors," are inventors 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, 17336, 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 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 yest title thereto in Assignee, or Assignee's successors and assigns.

Declaration and Assignment

Attorney Docket No.: 100SN0789US

Client Reference No.: OPX17214-116US/KSK

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Assignors hereby authorize and request AMPACC Law Group, PLLC, 6100 219th 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.

" June 25, 2018

Soung Gyu JEONG
Inventor's Name: Seung-Gyu JEONG

June 25, 2018

Joy -hyan KWON
Inventor's Name: Jung-Hyun KWON

Jane 25, 2018

Date: June 25, 2018