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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YOUNG JUN TAK	03/10/2020
TAE SOO JUNG	03/10/2020
WON GI KIM	03/10/2020

RECEIVING PARTY DATA

Name:	SK HYNIX INC.	
Street Address:	2091, GYEONGCHUNG-DAERO, BUBAL-EUB,	
Internal Address:	GYEONGGI-DO	
City:	ICHEON	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	17336	
Name:	INDUSTRY-ACADEMIC COOPERATION FOUNDATION, YONSEI UNIVERSITY	
Street Address:	(YONSEI UNIV., SINCHON-DONG) 50, YONSEI-RO,	
Internal Address:	SEODAEMUN-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	03722	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16840207

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Email: docketing@ampacc.com

Correspondent Name: AMPACC LAW GROUP, PLLC **Address Line 1:** 6100 219TH ST SW #580

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

ATTORNEY DOCKET NUMBER: 100SK0917US

PATENT REEL: 052321 FRAME: 0633

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NAME OF SUBMITTER:	AUTUMN DIAZ	
SIGNATURE:	TURE: /AUTUMN DIAZ/	
DATE SIGNED:	04/06/2020	
Total Attachments: 2		
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source=4249782#page2.tif		

PATENT REEL: 052321 FRAME: 0634

Attorney Docket No.: 100SK0917US Client Reference No.: Po190283HD

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 DEVICE AND MANUFACTURING METHOD OF THE

SEMICONDUCTOR DEVICE

Filing Date:

Application No.:

WHEREAS, SK hynix Inc. of 2091, Gycongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-do, Republic of Korea, and Industry-Academic Cooperation Foundation, Yonsei University of (Yonsei Univ., Sinchon-dong) 50, Yonsei-ro, Scodaemun-gu, Scoul 03722, 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 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 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.

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

2020.03.10	Young Jun TAK
Date	Name: Young Jun TAK
2020.03.10	Tae Soo JUNG
Date	Name: Tae Soo JUNG

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2020.03,(0, Date Won GT KIM

Name: Won Gi KIM

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RECORDED: 04/06/2020