505781516 11/19/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5828342

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
SANG HYUN BAN	11/05/2019
BEOM SEOK LEE	11/05/2019
WOO TAE LEE	11/05/2019
TAE HOON KIM	11/05/2019
HWAN JUN ZANG	11/05/2019
HYE JUNG CHOI	11/05/2019

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16687384	

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.comCorrespondent Name:AMPACC LAW GROUP, PLLCAddress Line 1:6100 219TH ST SW #580

Address Line 4: MOUNTLAKE TERRACE, WASHINGTON 98043

ATTORNEY DOCKET NUMBER:	100SK0870US	
NAME OF SUBMITTER:	AUTUMN DIAZ	
SIGNATURE:	/AUTUMN DIAZ/	
DATE SIGNED:	11/19/2019	

Total Attachments: 2 source=41P7801#page1.tif

PATENT REEL: 051053 FRAME: 0549

505781516

source=41P7801#page2.tif

PATENT REEL: 051053 FRAME: 0550

Attorney Docket No.: Client Reference No.: PTPUS201900499

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:

ELECTRONIC DEVICE AND METHOD OF OPERATING MEMORY CELL IN THE

ELECTRONIC DEVICE

Filing Date:

Application No.:

WHEREAS, SK hynix Inc. of 2091, Gyeongchung-daero, Bubal-eub, Icheon-si, Gyeonggi-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 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 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.

	11/05/19		Sanghyun Ban
Date			Name: Sang Hyun BAN
	11 /05 /19		Beam Seak LEE
Date	***************************************		Name: Beom Seok LEE

Assignment Attorney Docket No.:

Page 2

11/05/2019 Date

11/05/2019

Date

11/04/2019

Date

11/05/2019

Date

Woo Tall LEE

Name: Woo Tae LEE

Tae Houn Kim

Name: Tae Hoon KIM

Hum In Zany

Name: Hwan Jun ZANG

Hyejung Choi

Name: Hye Jung CHOI