PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JONG-MIN LEE	04/19/2018

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15968164	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P17H0219/US	
NAME OF SUBMITTER:	MYUNG SOO KIM	
SIGNATURE:	/Myung Soo KIM/	
DATE SIGNED:	05/01/2018	
	This document serves as an Oath/Declaration (37 CFR 1.63).	

Total Attachments: 1

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PATENT 504894228 REEL: 046047 FRAME: 0083

SHINSUNG: IVX000139726(P17H0219/US)

	Attorney Docket No.:		Docket No.:	
ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT				
WHEREAS	LEE, Jong-Min		, hereinafter	
referred to collec	ively as the assignor and inventor, has			
	TEM AND OPERATING METHOD C			
[X] said applicati	on being attached hereto; on having been filed in the United Stat , as Application Ser	es Patent and Trademark Office on ial No.	.	
on Lithe specificati	if a) on of which was filed under the Patent	ipplicable); Coongration Treaty on		
Serial No.	, the United States of An	nerica being designated.		
AA 185 1372 1552	DAD - (3/1) 7			
application, inclu	EAS <u>SK hynix Inc.</u> Indicate to as the assignee or applicant, is designed any and all divisions and continuanted therefor, including any and all ren	smous of acquiring the entire right, the itions thereof, and in and to said inver	te and interest in and to said interest in and all patents	
assigns, sells and interest in and to any and all paten assignee, and said all divisions and including any and anywise arising I including any ar assignee's succes	d by said assignee to said assignor, it transfers to said assignee, and said assist application, including any and all is which may be granted therefor, including assignee's successors and assigns, to large continuations thereof, and the said all renewals, reissues and prolongation or appertaining thereto, for and, it do not all renewals, reissues and prolong for and assigns, in as ample and ben if this assignment had not been made.	signee's successors and assigns, the fidivisions and continuations thereof, luding any and all renewals, reissues have hold, exercise and enjoy the sai investion and any and all patents vons thereof, with all the rights, power pairing the term or terms of any and ations thereof, for the use and beneficial a manner as the said assigno	full and exclusive right, title and and in and to said invention and and prolongations thereof; said dapplication, including any and which may be granted therefor, ars, privileges and advantages in all such patents when granted, sefit of said assignee, and said	
AND sa assigns, any and and prolongation	d assignor hereby agrees to perform, ill acts relating to the obtaining or to t thereof.	upon the request of said assignee, the asserting of said patents, including	or said assignee's successors or ig any and all renewals, reissues	
	d assignor authorizes and requests the and on any and all divisions and continue berewith.			
	ove-named inventor, I hereby declare that I am the original inventor or an ori			
	acknowledge that any willful false sta nment of not more than five (5) years,		unishable under 18 U.S.C. 1001	
ASSIGNOR (IN)	(ENTOR):			
Cimatur	2 7 × c	∑ ο υ . Δ΄. Date:	19	
Signature:		isaic,		

Page 1 of 1

이종인/Mobile FW Common

PATENT REEL: 046047 FRAME: 0084

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RECORDED: 05/01/2018

iKhynix

Printed or Typed Name: <u>LEE, Jong-Min</u>