### 503855764 06/03/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3902413

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOO WON PARK	05/30/2016
KWANG SIK KO	05/30/2016
SANG HYUN LEE	05/30/2016

#### **RECEIVING PARTY DATA**

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

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15173301

#### **CORRESPONDENCE DATA**

**Fax Number:** (571)327-5452

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.

**Phone:** 571-327-5450

Email: ipntlaw@ipntlaw.com

Correspondent Name: IP & T GROUP LLP

Address Line 1: 8230 LEESBURG PIKE SUITE 650

Address Line 4: VIENNA, VIRGINIA 22182

ATTORNEY DOCKET NUMBER:	HYP15936/US
NAME OF SUBMITTER:	JUN JEONG PARK
SIGNATURE:	/Jun Jeong PARK/
DATE SIGNED:	06/03/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

#### **Total Attachments: 3**

source=DEC&ASSIGNMENT#page1.tif source=DEC&ASSIGNMENT#page2.tif source=DEC&ASSIGNMENT#page3.tif

PATENT 503855764 REEL: 038883 FRAME: 0303

#### ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	PARK, Joo Won	, hereinafter re	ferred to collectively as th	e assignor and
inventor, has invented a co	ertain improvement relati	ing to		
LATERAL P	OWER INTEGRATED	DEVICES HAVING	LOW ON-RESISTANCE	
[X] said application being [] said application having, as Application Seria [] the specification of wheeler serial No.  AND WHEREAS hereinafter referred to as to said application, including	g been filed in the United I No, and was an ich was filed under the F, the United States of SK Hynix Inc the assignee or applicant,	nended on Patent Cooperation True of America being desi	(if applicable); eaty on gnated.  ng the entire right, title and	
all patents which may be				
valuable consideration pa assignor hereby assigns, s exclusive right, title and in and in and to said inventi- reissues and prolongation and enjoy the said applica- any and all patents whice thereof, with all the right and during the term or ter- prolongations thereof, for ample and beneficial a assignment had not been in	aid by said assignee to sells and transfers to said apponent and any and all patents thereof; said assignee, ation, including any and ath may be granted there is, powers, privileges and may and all such per the use and benefit of manner as the said assigned.  If the use and benefit of manner as the said assigned.  If and all acts relating to the said all acts relating to the said	aid assignor, the reco assignee, and said as lication, including an ts which may be gran and said assignee's su all divisions and cont for, including any aid advantages in anywatents when granted, said assignee, and s ignor imput or could berform, upon the re	signee's successors and asy and all divisions and conted therefor, including any coessors and assigns, to himulations thereof, and the all renewals, reissues ise arising from or appertincluding any and all renewal assignee's successors I have held and enjoyed equest of said assignee,	cknowledged, said ssigns, the full and atinuations thereof, y and all renewals, ave, hold, exercise said invention and and prolongations taining thereto, for ewals, reissues and and assigns, in as the same, if this or said assignee's
an renewals, reissues and	prolongations thereof.			
AND said assign Patent on said application assignee's successors and	on, and on any and all	divisions and contin	of Patents and Trademar muations thereof, to said a	
As an above-nan to be made by me, and t application.			dentified application was r joint inventor of a claime	
I hereby acknow U.S.C. 1001 by fine or im			in this declaration is puboth.	mishable under 18
ASSIGNOR (INVENTO	R):			with the state of
Signature: Park	- 300 W ON	Date:	5/30/2016	***
Printed or Typed Name:	PARK, Joo W	on		

1

**S**Khynix

박주원/PE팀 2057498/10.219.130.76/2016-05-30 08:14

**PATENT** REEL: 038883 FRAME: 0304

# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	KO, Kwang Sik	, hereinafter referred to collectively as the assignor and
inventor, has invented :	a certain improvement relating	to
LATERAL	. POWER INTEGRATED DE	VICES HAVING LOW ON-RESISTANCE .
, as Application Se [ ] the specification of Serial No.  AND WHEREAS hereinafter referred to a said application, include	ring been filed in the United Statistical No, and was amen which was filed under the Pate, the United States of A, SK Hynix Inc, as the assignee or applicant, is a ling any and all divisions and c	
valuable consideration assignor hereby assign exclusive right, title an and in and to said invereissues and prolongation and enjoy the said appany and all patents withereof, with all the right during the term or prolongations thereof, ample and beneficial assignment had not been assignment had not been all renewals, reissues a AND said assignment on said applications.	paid by said assignee to said as, sells and transfers to said as d interest in and to said applicantion and any and all patents wons thereof; said assignee, and lication, including any and all hich may be granted therefor ghts, powers, privileges and acterms of any and all such pate for the use and benefit of said a manner as the said assigner made.  Issignor hereby agrees to perfany and all acts relating to the nd prolongations thereof.	in consideration of One Dollar (\$1.00), and other good and assignor, the receipt of which is hereby acknowledged, said signee, and said assignee's successors and assigns, the full and tion, including any and all divisions and continuations thereof, which may be granted therefor, including any and all renewals, said assignee's successors and assigns, to have, hold, exercise divisions and continuations thereof, and the said invention and including any and all renewals, reissues and prolongations in any and all renewals, reissues and prolongations in any including any and all renewals, reissues and dassignee, and said assignee's successors and assigns, in as or might or could have held and enjoyed the same, if this corm, upon the request of said assignee, or said assignee's obtaining or to the asserting of said patents, including any and the Commissioner of Patents and Trademarks to issue Letters risions and continuations thereof, to said assignee, and said with.
		re that the above-identified application was made or authorized tor or an original joint inventor of a claimed invention in the
	nowledge that any willful fals imprisonment of not more than	te statement made in this declaration is punishable under 18 a five (5) years, or both.
ASSIGNOR (INVENT	TOR):	· · · · · · · · · · · · · · · · · · ·
Signature: KW	on Jok	Date: 5/30/2016
Printed or Typed Nam	e: KO, Kwang Sik	

2

SKhynix

박주원/PE팀

2057498/10.219.130.76/2016-05-30 08:14

# ASSIGNMENT OF AND DECLARATION FOR APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS	LEE, Sang Hyun	, hereinafter referred to collectively as the as	ssignor and
inventor, has invented	l a certain improvement relating	g to	
LATERA	AL POWER INTEGRATED DE	EVICES HAVING LOW ON-RESISTANCE	
, as Application S [ ] the specification of Serial No.	aving been filed in the United S Serial No, and was amen if which was filed under the Pat, the United States of	tates Patent and Trademark Office on need on(if applicable); ent Cooperation Treaty onAmerica being designated.	
hereinafter referred to said application, inclu	iding any and all divisions and	desirous of acquiring the entire right, title and intecontinuations thereof, and in and to said invention any and all renewals, reissues and prolongations to	n and any and
valuable consideration assignor hereby assigner hereby assigner hereby assigner hereby assigner hereby assigner hereby assid and in and to said inversives and prolonger and enjoy the said appany and all patents of thereof, with all the said during the term of prolongations thereof ample and beneficial assignment had not be assignment had not be successors or assigns all renewals, reissues  AND said as Patent on said appli	n paid by said assignee to said as, sells and transfers to said application and any and all patents at tions thereof; said assignee, an plication, including any and all which may be granted thereforights, powers, privileges and a reterms of any and all such pater, for the use and benefit of said a manner as the said assignment as the said assignment and all acts relating to the and prolongations thereof.	in consideration of One Dollar (\$1.00), and of dassignor, the receipt of which is hereby acknows signee, and said assignee's successors and assignation, including any and all divisions and continuation may be granted therefor, including any and daid assignee's successors and assigns, to have, divisions and continuations thereof, and the said art, including any and all renewals, reissues and advantages in anywise arising from or appertaining ents when granted, including any and all renewal aid assignee, and said assignee's successors and nor might or could have held and enjoyed the obtaining or to the asserting of said patents, including any and continuations thereof, to said assignee with.	owledged, said ans, the full and pations thereof, and all renewals, hold, exercised invention and prolongations ing thereto, for ls, reissues and lassigns, in as e same, if this said assignee's cluding any and to issue Letters
		are that the above-identified application was mad ntor or an original joint inventor of a claimed in	
	knowledge that any willful fal or imprisonment of not more tha	lse statement made in this declaration is punish an five (5) years, or both.	nable under 18
ASSIGNOR (INVEN	TTOR):		and the same
		11 Date: 5/30/2016	
Printed or Typed Nan	ne: LEE, Sang Hyun		

2

**SK**hynix

**RECORDED: 06/03/2016** 

박주원/PE팀

2057498/10.219.130.76/2016-05-30 08:14

PATENT REEL: 038883 FRAME: 0306