504536844 09/07/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SANG-JINE PARK	07/21/2017
KEE-SANG KWON	07/20/2017
JAE-JIK BAEK	07/21/2017
YONG-SUN KO	07/21/2017
KWANG-WOOK LEE	07/08/2017

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15697881	

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	249/1164_00
NAME OF SUBMITTER:	EUGENE M. LEE
SIGNATURE:	/Eugene M. Lee/
DATE SIGNED: 09/07/2017	
This document serves as an Oath/Declaration (37 CFR 1.63).	

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Total Attachments: 4 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif

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COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM $^{\rm I}$

The undersigned acknowledges that this document is being used both as an assignment of the invention and as the declaration (37 CFR 1.63) for a Utility or Design Application.

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

Title:	INTEGRATED CIRCUIT DEVICE
for whi	Assignor is about to make or has made United States or International application t.
WHER	AS, as a below named inventor(s), I/(we) hereby declare that:
Section	. Declaration
This de	aration is directed to:
	The attached U.S. non-provisional patent application, or
	U.S. non-provisional patent application number, filed on, or
	PCT international patent application number, filed on
The abo	e-identified application was made or authorized to be made by me (us).
. ,	lieve that I am (we are) the original inventor (original joint inventors) of a claimed in the above-identified application.
` ,	reby acknowledge that any willful false statement made in this declaration is le under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or
	state that I have reviewed and understand the contents of the above identified on, including the claims.
	ledge that I am aware of the duty to disclose information which is material to lity as defined in 37 CFR § 1.56.
1 This fo	m requires the use of an Application Data Sheet.
SEC R	No. 1E-201612-043-1-US0 Attorney Ref No. 249/1164_00

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

Section II. Assignment

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned hereby sell(s) and assign(s) to

Samsung Electronics Co., Ltd.

having an address at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do 16677, Republic of Korea (hereinafter designated as the Assignee), the entire (100%) right, title and interest for the United States as defined in 35 USC §100, in the invention described in the application identified in Section I of this document.

Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth:

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

SEC Ref No.	IE-201612-043-1-US0	Attorney Ref No	249/1164_00	

SAMSUNG ELECTRONICS CO., LTD.

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country of countries foreign to the United States, whose duty it is to issue or gram patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee

The undersigned hereby grant(s) the law firm of LEE & MORSE, PC the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Section III. Inventor(s)/Assignor(s) Signature(s)

LEGAL NAME OF FIRST	Family Name	First Given Name	Second Given Name
INVENTOR ASSIGNOR	PARK	Sang-jine	en e
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	and Joe Park	DATE	2017.72
SIGNATURIC	The Control of the Control		Comment and some afternooned

LEGAL NAME OF SECOND	Family Name	First Given Name	Second Given Name
INVENTOR ASSIGNOR	KWON	Kee-sang	and it is come afficient to come as an experiment of an effect to an efficiency of the effect, we
and the second s	naver a least of the devices of the sense of the sense of the	and the control of th	ana museum anno anno anno am an Adda Adda Adda na maran madh dha amh addhla madha
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signature	Den	DATE	molalan

1E-201612-043-1-US0 Attorney Ref No. 249/1164-00

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM

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SAMSUNG ELECTRONICS CO., LTD.

LEGAL NAME OF THIRD	Family Name	First Given Name	Second Given Name
INVENTORVASSIGNOR	BAEK	:Jae-Jik	мерентик [†] «менешки» о шулартулардуу ₍₁ ф
SIGNATURE	ps	DATE	-1/1/19
LEGAL NAME OF	Family Name	First Given Name	Second Given Name
INVENTORVASSIGNOR	ко	Yong-sun	e de la communicación de la complexión d
LEGAL NAME OF FIFTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given
	LEE	Kwang-wook	· · · · · · · · · · · · · · · · · · ·
SIGNATURE	Kuang wask L	oe date	8/7/17
SEC Ref No. 1E-2016 COMBINED DECLARAT	, , , , , , , , , , , , , , , , , , ,	Attorney Ref No.	The state of the s

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공정기법1범(반도제점)/백성권/20193862/2017-07-20 20:15

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