# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHANG-YEON LEE	02/08/2019
JIN-WOOK LEE	02/08/2019
MIN-CHAN GWAK	02/08/2019
KYE-HYUN BAEK	02/23/2019
HONG-BAE PARK	02/08/2019

#### **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:	16404857

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	249/1208_00
NAME OF SUBMITTER:	JOHN M. MAKSYMONKO
SIGNATURE:	/John M. Maksymonko/
DATE SIGNED:	05/07/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 049097 FRAME: 0139

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# **Total Attachments: 4**source=Executed\_Document\_2019\_04\_30#page1.tif source=Executed\_Document\_2019\_04\_30#page2.tif source=Executed\_Document\_2019\_04\_30#page3.tif

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

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 A	Assignor, has invented:
Title: INTEGRATED CIRCUIT DEVICE	
for which Assignor is about to make or has made United States or Int patent.	ernational application for
WHEREAS, as a below named inventor(s), I/(we) hereby declare that	t:
Section I. Declaration	
This declaration is directed to the attached U.S. non-provisional pater following is marked:	nt application, unless the
U.S. non-provisional patent application number or	, filed on
PCT international patent application number	filed on
as amended by the Preliminary Amendment attach	ed hereto.
as amended by the Preliminary Amendment filed o	ni
The above-identified application was made or authorized to be made	by me (us).
I (we) believe that I am (we are) the original inventor (original joint is invention in the above-identified application.	nventors) of a claimed
I (we) hereby acknowledge that any willful false statement made in thunder 18 U.S.C. 1001 by fine or imprisonment of not more than five	
I hereby state that I have reviewed and understand the contents of the application, including the claims (as amended by any amendment refe	
I acknowledge that I am aware of the duty to disclose information who patentability as defined in 37 CFR § 1.56.	nich is material to
This form requires the use of an Application Data Sheet.	
SEC Ref No. IE-201801-034-1-US0 Attorney Ref No.	249/1208_00
فيتنفق والفراد ومتعلق والراب والمراب المراب	

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

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## 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

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

SEC Ref No. IE-201801-034-1-US0 Attorney Ref No. 249/1208_00	
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## SAMSUNG ELECTRONICS CO., LTD.

or countries foreign to the United States, whose duty it is to issue or grant 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, P.C. 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	LEE	Chang-yeon	
SIGNATURE _	<u> </u>	DATE	02.08.2019

LEGAL NAME OF	Family Name	First Given Name	Secon	l Given Name
SECOND INVENTOR/ASSIGNOR	LEE	Jin-wook		
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	+A		2000	D 7219
SIGNATURE _		DATE	sideri, l	28 - <del>240</del> 1 7

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LEGAL NAME OF THIRD INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name
	GWAK	Min-chan	
signature <u>(4.0)</u>	In Cake	DATE	2.08.20/9

LEGAL NAME OF FOURTH	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	BAEK	Kye-Hyun	
SIGNATUR	E by may	DATE	02/23/2019

LEGAL NAME OF FIFTH	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	PARK	Hong-bae	
'			
SIGNATURE	14 Day	DATE	02.08.2019

SEC Ref No. <u>IE-201801-034-1-US0</u> Attorney Ref No. <u>249/1208\_00</u>

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**RECORDED: 05/07/2019** 

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