506040687 05/01/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6087402

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DEOOSEOK CHOI	04/06/2020
YOUNG MIN KIM	04/06/2020
JEI YOUNG LEE	04/06/2020
DAE YOUNG YOON	04/06/2020
SUN WOO LEE	04/06/2020

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16864251	

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.

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Correspondent Name: F. CHAU & ASSOCIATES, LLC

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Address Line 4: WOODBURY, NEW YORK 11797

ATTORNEY DOCKET NUMBER:	8111S-752
NAME OF SUBMITTER:	RICHARD D. RATCHFORD, JR.
SIGNATURE:	/RICHARD D. RATCHFORD, JR./
DATE SIGNED:	05/01/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

PATENT REEL: 052545 FRAME: 0592

Total Attachments: 5 source=8111S-752_Dec-Asn#page1.tif source=8111S-752_Dec-Asn#page2.tif

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PATENT REEL: 052545 FRAME: 0593

COMBINED DECLARATION (37 CFR §1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM¹

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:	ELECT	RONIC DEVICE		
for whi		nor is about to make or has	; made United States or Inter	rnational application
WHERE	AS, as a	below named inventor(s), I	/(we) hereby declare that:	
Section	ıl. Deci	aration		
	claratio	n is directed to: The attached U.S. non-prov	risional patent application, o	
		U.S. non-provisional patent on	application number	, filed
•		PCT international patent ap	plication number	, filed on
The abo	ve-ider	itified application was made	e or authorized to be made b	y me (us).
		nat I am (we are) the original above-identified application	al inventor (original joint inve on.	entors) of a claimed
		*	false statement made in this imprisonment of not more t	
¹ This for	m requir	es the use of an Application Data	Sheet.	
SEC Ref I	No.	IB-201905-024-1-US0	Attorney Ref No.	81115-752 (SIP190219US)

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
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I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

I acknowledge that I am aware of the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

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,

SEC Ref No.	18-201905-024-1-U50	Attorney Ref No.	81115-752
			(SIP190219US)

COMBINEO DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 2 of \$

divisional, renewal or substitute thereof, and as to letters patent any reissue, reexamination, 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 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 F. Chau & Associates, LLC 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	Family Name	First Given Name	Second Given Name
FIRST INVENTOR/ASSIGNOR	CHOI	DOOSEOK	
arutandis	ar tillianning profession og state og	DATE	

SEC Ref No. IB-201905-024-1-US0 Attorney Ref No. 81115-752 (SIP190219US)

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 3 of 5 MSC설계팀(SLSI)/적두석/17042749/2020-04-06 10:27

Family Name	First Given Name	Second Given Name
KIM	YOUNG MIN	
<i>787</i> \	DATE	2020-4-6
Family Name	First Given Name	Second Given Name
LEE	JEI YOUNG	
Family Name	DATE First Given Name	2020 -04-06 Second Given Name
YOON	DAE YOUNG	
	!	1
	Family Name LEE Family Name	Family Name First Given Name LEE JEI YOUNG DATE Family Name First Given Name

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IB-201905-024-1-USO Attorney Ref No.

81115-752 (SIP190219US)

SEC Ref No.

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
FIFTH INVENTOR/ASSIGNOR	LEE	SUN WOO	
	<i>~</i> ``,		
SIGNATURE	<u>J</u>	DATE	70.70 ok.06

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			(SIP190219US)

COMBINED DECLARATION (37 CFR 1.53) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
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RECORDED: 05/01/2020

PATENT REEL: 052545 FRAME: 0598