PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JAE-YOON KIM	04/14/2020
SANGHYUN KIM	04/14/2020

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
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City:	SUWON-SI
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16908921

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	Q253738
NAME OF SUBMITTER:	DENNIS E BUTLER - TEAMS
SIGNATURE:	/Dennis Butler/
DATE SIGNED:	06/23/2020
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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PATENT 506119928 REEL: 053012 FRAME: 0334

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PATENT REEL: 053012 FRAME: 0335

COMBINED DECLARATION (37 CFR \$1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM³

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.

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WHEREA	S, the ur	dersigned, hereinafter	referred	to collectiv	ely as Assigno	r, has invented
		IDUCTOR LIGHT EMITT G PACKAGE	ING DEV	ICE AND SE	MICONDUCT	OR LIGHT
for which		r is about to make or h	as made	United Sta	es or Internat	ional application
WHEREA	S, as a b	elow named inventor(s), //wei l	iereby decl	are that	
Section I	Declar	ation				
This decl	arationi	s directed to:				
Ū	3 11	se attached U.S. non-pr	ovisional	patent app	dication, or	
T.		non-provisional pate		ition numb	er	filed
Ē] PC	Tinternational patent	application	on number		filed on
The above	ve-identii	fied application was ma	ide or au	thorized to	be made by n	se (us)
		t I am (we are) the orig bove-identified applica		dar tangin	al joint invent	ors) of a claimed
Live he punishal both	rebyack ple under	nowledge that any will 18 U.S.C. 1001 by fine	ful false s or impris	tatement of	nade in this do not more the	eclaration is n five (5) years, or
This for	m requires	the use of an Application D	ata Sheet			
SEC Ref.	10	QA-201906-001-1-US0		Attorney R	ef No.	(2253738

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

PATENT REEL: 053012 FRAME: 0336 I hereby state that I have reviewed and understand the contents of the above identified application, including the claims.

Lacknowledge that Lannaware 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 self(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 Lof 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 bereby does, self, assign and transfer unto Assigned 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,

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

SAMPLING ELECTRONICS CO. LTD.

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 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 **Sughrue Mion**, PLLC the power to receive 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 recordance of this document.

SEC Ref No. QA-201906-001-1-US0 Attorney Ref No. Q253738

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

ECOLORANIE O	Family Name	First Given Name Second Given Name
REST		
INVENTOR/ASSIGNOR	KIM	JAE-YOON.
		DATE
SIGNATURE		100 July 214

EGAL NAME OF	Family Name	First Given Name	Second Given Name
SECONO			
INVENTOR/ASSIGNOR	KIM	SUNGIOON	
		DATE	
SIGNATURE		DATE.	

1	LEGAL NAME OF	Family Name	First Given Name	Second Given Name
	THIRD			
		KIM	SANGHYUN	
	INVENTOR/ACCIONOR			
ì				
			DATE	
1	SIGNATURE			0020 4 9
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