PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3498209

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JUNG SUB KIM	08/16/2015
YEON WOO	08/16/2015
DONG GUN LEE	08/16/2015
BYUNG KYU CHUNG	08/14/2015
DAE MYUNG CHUN	08/17/2015
SOO JEONG CHOI	08/17/2015

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:	443-742		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14833832

CORRESPONDENCE DATA

Fax Number: (703)668-8200

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: 703-668-8000

Email: dcmailroom@hdp.com

Correspondent Name: HARNESS, DICKEY & PIERCE, P.L.C.

Address Line 1: P.O. BOX 8910

Address Line 4: RESTON, VIRGINIA 20195

ATTORNEY DOCKET NUMBER:	15202-000034-US
NAME OF SUBMITTER:	JOHN A. CASTELLANO
SIGNATURE:	/John A. Castellano, Reg. No. 35,094/
DATE SIGNED:	08/25/2015

Total Attachments: 5

PATENT REEL: 036417 FRAME: 0155 source=2015_08_24_DECLARATION#page1.tif source=2015_08_24_DECLARATION#page2.tif source=2015_08_24_DECLARATION#page3.tif source=2015_08_24_DECLARATION#page4.tif source=2015_08_24_DECLARATION#page5.tif

> PATENT REEL: 036417 FRAME: 0156

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:	NANOSTRUCTURE SEMICONDUCTOR LIGHT EMITTING DEVICE
for which As	signor is about to make or has made United States or International application
WHEREAS, a	s a below named inventor(s), I/(we) hereby declare that:
Section I. D	eclaration
This declara	tion is directed to:
\boxtimes	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 above-i	dentified application was made or authorized to be made by me (us).
	e that I am (we are) the original inventor (original joint inventors) of a claimed the above-identified application.
	y acknowledge that any willful false statement made in this declaration is under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or
¹ This form re	quires the use of an Application Data Sheet.
SEC Ref No.	QA-201406-010-1-US0 Attorney Ref No. 15202-000034-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM
Page 1 of 5

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 443-742, 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;

SEC Ref No.	OA-201406-010-1-US0	Attorney Ref No.	15202-000034-TIS
are her no.	QA-201400-010-1-050	Attorney Net No.	12505-000024-03

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, 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 Harness, Dickey & Pierce, P.L.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	KIM	Jung Sub	
SIGNATURE		DATE	2015 8.16

LEGAL NAME OF SECOND	Family Name	First Given Name	Second Given Name
INVENTOR/ASSIGNOR	\$40	Yeon Woo	
SKINATURE	M QT	DATE	201973 (6

LEGAL NAME OF	Family Name	First Given Name	Second Given Name
THIRD NVENTOR/ASSIGNOR	LEE	Dong Gun	
SIGNATURE			

LEGAL NAME OF	Family Name	First Given Name	Second Given Name				
FOURTH INVENTOR/ASSIGNOR	CHUNG	Syung Kyu					
			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				
SIGNATURE		DATE	8/14/2015				
SIGNATURE		DAIE -	8/14/2015				

SEC Ref No. QA-201406-010-1-US0 Attorney Ref No. 15202-000034-US

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 4 of 5

· · · · · · · · · · · · · · · · · · ·	LEGAL NAME OF	Family Name	First Given Name	Second Given Name			
minimum	INVENTOR/ASSIGNOR	CHUN	Dae Myung				
· · · · · · · · · · · · · · · · · · ·							
	SIGNATURE		DATE	2015 . 8. 17			

	LEGAL NAME OF SIXTH INVENTOR/ASSIGNOR	Family Name	First Given Name	Second Given Name			
-		CHOI	Soo Jeong				
	SIGNATUKE		CATE	245/3/13			

oma se e e e e e	1	es e 200	* *** ***		8.	ee a waxaa	. Black Sta	12703	000000000000000000000000000000000000000	8:40
SEL NOT NO.		1300	13 46362-33 34	8+ \$+ \$: (3 8 8	83	eren energi	3,000 3,000	 3.5.6556	.15626467	9 542

COMBINED DECLARATION (37 CFR 1.63) FOR UTILITY PATENT APPLICATION AND ASSIGNMENT FORM Page 5 of 5

PATENT

REEL: 036417 FRAME: 0161