

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5785050

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KISEOK CHANG	10/22/2019
KWANG SEOB JEONG	10/22/2019
YUNCHANG CHOI	10/22/2019
JIHWAN JUNG	10/22/2019
JEONGMIN MOON	10/22/2019
SOONSHIN JUNG	10/22/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LG DISPLAY CO., LTD.
<b>Street Address:</b>	128, YEOUI-DAERO, YEONGDEUNGPO-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	07336
<b>Name:</b>	KOREA UNIVERSITY RESEARCH AND BUSINESS FOUNDATION
<b>Street Address:</b>	145, ANAM-RO, SEONGBUK-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	02841
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16661938
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)938-5200
<i>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.</i>	
<b>Phone:</b>	6509888500
<b>Email:</b>	FWLGDisplayPatents@fenwick.com
<b>Correspondent Name:</b>	DOHYUN AHN
<b>Address Line 1:</b>	FENWICK & WEST LLP
<b>Address Line 2:</b>	801 CALIFORNIA STREET
<b>Address Line 4:</b>	MOUNTAIN VIEW, CALIFORNIA 94041

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	30257-44495/US
<b>NAME OF SUBMITTER:</b>	DOHYUN AHN, REG. NO. 63,237
<b>SIGNATURE:</b>	/Dohyun Ahn/
<b>DATE SIGNED:</b>	10/23/2019
<b>Total Attachments: 4</b> source=44495 US Combined Declaration and Assignment (Fully Executed)#page1.tif source=44495 US Combined Declaration and Assignment (Fully Executed)#page2.tif source=44495 US Combined Declaration and Assignment (Fully Executed)#page3.tif source=44495 US Combined Declaration and Assignment (Fully Executed)#page4.tif	

**COMBINED DECLARATION (37 CFR 1.63) FOR U.S. PATENT APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT OF INVENTION**

<b>Title of Invention</b>	Method of Manufacturing Gallium Nitride Quantum Dots
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**DECLARATION**

As the below named and undersigned inventor, I hereby declare that:

This declaration is directed to: ☒ The attached application, or  
☐ United States application or PCT international application number \_\_\_\_\_ filed on \_\_\_\_\_

The above-identified application was made or authorized to be made by me.  
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.  
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. § 1001 by fine or imprisonment of not more than five (5) years, or both.  
Note to Inventor: 37 C.F.R. § 1.63(c) states: *A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in § 1.56.*

**ASSIGNMENT**

WHEREAS, I have made an invention described and/or claimed in the above-identified application;  
and  
WHEREAS, LG Display Co., Ltd., a corporation of the Republic of Korea, having a place of business at 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea, and Korea University Research and Business Foundation, a corporation of the Republic of Korea, having a place of business at 145, Anam-ro, Seongbuk-gu, Seoul, 02841, Republic of Korea, (hereinafter referred to as "ASSIGNEES") desire to acquire the entire right, title, and interest in and to said invention in all countries throughout the world and the above-identified United States patent application;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have assigned and do hereby assign to the ASSIGNEES, and their lawful successors and assigns, the entire right, title, and interest in and to said invention, the above-identified United States patent application and all divisions, continuations, and continuations-in-part of said application, and reissues, extensions, and renewals of Letters Patent granted thereon, and all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and all Letters Patents issuing on any such patent applications in the United States and foreign countries;

I hereby assign to the ASSIGNEES, and their lawful successors and assigns, the right to file patent applications in foreign countries on said invention in their own names and the right to claim priority to the

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above-identified United States patent application under the terms of the International Convention and any other relevant treaties;

I hereby authorize and request the United States Patent and Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEES as the assignees of my entire right, title, and interest in and to the same, for the sole use and benefit of the ASSIGNEES, and their lawful successors and assigns, to the full end of the term for which said Letters Patent may be granted;

I hereby grant the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document;

I hereby covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment; and

Further, I hereby further covenant and agree that I will, without further consideration, communicate with the ASSIGNEES, and their lawful successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said ASSIGNEES, and their lawful successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid the ASSIGNEES, and their lawful successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the ASSIGNEES, and their lawful successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

NAME OF INVENTOR (Full Legal Name): **Kiseok CHANG**

Signature: KISEOK CHANG Date: 10/22/2019

NAME OF INVENTOR (Full Legal Name): **Kwang Seob JEONG**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

NAME OF INVENTOR (Full Legal Name): **Yunchang CHOI**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

NAME OF INVENTOR (Full Legal Name): **Jihwan JUNG**

Signature: JUNG JIHWAN Date: 10/22/2019

NAME OF INVENTOR (Full Legal Name): **JeongMin MOON**

Signature: JEONGMIN MOON Date: 10/22/2019

NAME OF INVENTOR (Full Legal Name): **SoonShin JUNG**

Signature: SOONSHIN JUNG Date: 10/22/2019

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**COMBINED DECLARATION (37 CFR 1.63) FOR U.S. PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT OF INVENTION**

<b>Title of Invention</b>	Method of Manufacturing Gallium Nitride Quantum Dots
<b><u>DECLARATION</u></b>	
As the below named and undersigned inventor, I hereby declare that:	
This declaration is directed to:	<input checked="" type="checkbox"/> The attached application, or  <input type="checkbox"/> United States application or PCT international application number _____ filed on _____.
The above-identified application was made or authorized to be made by me.	
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.	
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<b><u>ASSIGNMENT</u></b>	
WHEREAS, I have made an invention described and/or claimed in the above-identified application; and	
WHEREAS, <u>LG Display Co., Ltd.</u> , a corporation of the Republic of Korea, having a place of business at <u>128, Yeoui-daero, Yeongdeungpo-gu, Seoul, 07336, Republic of Korea</u> , and <u>Korea University Research and Business Foundation</u> , a corporation of the Republic of Korea, having a place of business at <u>145, Anam-ro, Seongbuk-gu, Seoul, 02841, Republic of Korea</u> , (hereinafter referred to as "ASSIGNEES") desire to acquire the entire right, title, and interest in and to said invention in all countries throughout the world and the above-identified United States patent application;	
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have assigned and do hereby assign to the ASSIGNEES, and their lawful successors and assigns, the entire right, title, and interest in and to said invention, the above-identified United States patent application and all divisions, continuations, and continuations-in-part of said application, and reissues, extensions, and renewals of Letters Patent granted thereon, and all corresponding patent applications filed in countries foreign to the United States ("foreign countries") and corresponding international patent applications, and all Letters Patents issuing on any such patent applications in the United States and foreign countries;	
I hereby assign to the ASSIGNEES, and their lawful successors and assigns, the right to file patent applications in foreign countries on said invention in their own names and the right to claim priority to the	

above-identified United States patent application under the terms of the International Convention and any other relevant treaties;

I hereby authorize and request the United States Patent and Trademark Office and officials in patent offices in foreign countries to issue any and all of said Letters Patent to the ASSIGNEES as the assignees of my entire right, title, and interest in and to the same, for the sole use and benefit of the ASSIGNEES, and their lawful successors and assigns, to the full end of the term for which said Letters Patent may be granted;

I hereby grant the attorney of record the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other authority for recordation of this document;

I hereby covenant that I have the full right to convey the interest assigned by this Assignment, and I have not executed and will not execute any agreement in conflict with this Assignment; and

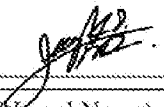
Further, I hereby further covenant and agree that I will, without further consideration, communicate with the ASSIGNEES, and their lawful successors and assigns, any facts known to me respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said ASSIGNEES, and their lawful successors or assigns, execute all divisional, continuation, continuation-in-part, and reissue applications, make all rightful oaths and generally do everything possible to aid the ASSIGNEES, and their lawful successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the ASSIGNEES, and their lawful successors and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hands.

NAME OF INVENTOR (Full Legal Name): **Kiseok CHANG**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

NAME OF INVENTOR (Full Legal Name): **Kwang Seob JEONG**

Signature:  \_\_\_\_\_ Date: 10/22/2019

NAME OF INVENTOR (Full Legal Name): **Yunchang CHOI**

Signature:  \_\_\_\_\_ Date: 10/22/2019

NAME OF INVENTOR (Full Legal Name): **Jihwan JUNG**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

NAME OF INVENTOR (Full Legal Name): **JeongMin MOON**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

NAME OF INVENTOR (Full Legal Name): **SoonShin JUNG**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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