

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHANGHYEUN PARK	11/11/2016
DONGGU LEE	04/27/2018
ILHWAN KIM	11/11/2016
JAEKYUNG SUNG	02/10/2017
CHANGSOO LEE	11/11/2016
DONGSU KANG	11/21/2016
EUNA YU	11/19/2016
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15310627
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PATENT

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ATTORNEY DOCKET NUMBER:	YPL1866US
NAME OF SUBMITTER:	JAMES J. MERRICK
SIGNATURE:	/James J. Merrick/
DATE SIGNED:	05/01/2018
Total Attachments: 3 source=81N4464#page1.tif source=81N4464#page2.tif source=81N4464#page3.tif	

DECLARATION AND ASSIGNMENT

Title of Invention: **ELECTRON EMITTING DEVICE USING GRAPHENE AND METHOD FOR MANUFACTURING SAME**

As a below named inventor, I hereby declare that:

This declaration is directed to:

[X] the attached application (Attorney Docket Number YPL1866US), 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 have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, each undersigned inventor has made certain inventions, improvements, and discoveries (herein referred to as the "INVENTION") disclosed in the above-identified patent application (herein referred to as the ("APPLICATION"));


Whereas, **Samsung Electronics Co., Ltd.**, a corporation of Country of Korea having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Republic of Korea and **Kumoh National Institute of Technology Industry-Academic Cooperation Foundation**, a corporation of Country of Korea having a place of business at 61, Daehak-ro, Gumi-si, Gyeongsangbuk-do, 39177, Republic of Korea (herein referred to as "ASSIGNEES"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEES, the entire worldwide right, title, and interest in and to the INVENTION and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor (herein referred to ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to the ASSIGNEES, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the INVENTION, the APPLICATION, and any and all other patent applications and patents for the INVENTION which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the INVENTION, to ASSIGNEES, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEES,

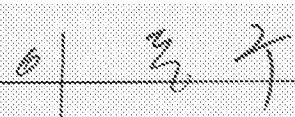
its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the INVENTION, the APPLICATION, and all related patents and applications, in ASSIGNEES, its successors, legal representatives, and assigns, whenever requested by ASSIGNEES, its successors, legal representatives, and assigns.

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.

Legal Name of Inventor: **Shanghyeun Park**

Signature:  Date: 11.11


Legal Name of Inventor: **Donggu Lee**

Signature:  Date: April 27, 2018


Legal Name of Inventor: **Ilhwan Kim**

Signature:  Date: 11.11

Legal Name of Inventor: **Jaekyung Sung**

Signature:  Date: 2017.02.10

Legal Name of Inventor: **Changsoo Lee**

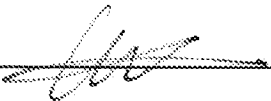
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Legal Name of Inventor: **Dongsu Kang**

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YPL1866US

Legal Name of Inventor: **Euna Yu**

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