

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHIN AE JUN	05/09/2014
DAE HA SEO	12/29/2015
EUN JOO JANG	05/09/2014
YOUNG-WOOK JUN	12/29/2015
RECEIVING PARTY DATA	
Name:	SAMSUNG ELECTRONICS., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	443742
Name:	THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
Street Address:	1111 FRANKLIN STREET
City:	OAKLAND
State/Country:	CALIFORNIA
Postal Code:	94607
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14184469
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Email:	usptopatentmail@cantorcolburn.com
Correspondent Name:	CANTOR COLBURN LLP
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Address Line 4:	HARTFORD, CONNECTICUT 06103
ATTORNEY DOCKET NUMBER:	PNK1039US2
NAME OF SUBMITTER:	APRIL FOUBARE
SIGNATURE:	/April Foubare/

DATE SIGNED:	03/01/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 4 source=7K39941#page1.tif source=7K39941#page2.tif source=7K39941#page3.tif source=7K39941#page4.tif	

PNK1039US2
RK-201209-009-1-US0

DECLARATION AND ASSIGNMENT

Title of Invention: **CONJUGATE OF A METAL NANOPARTICLE AND A LIGHT EMITTING MATERIAL**

As a below named inventor, I hereby declare that:

This declaration is directed to:

the attached application (Attorney Docket Number PNK1039US2, or

United States application or PCT international application number 14/184,469 filed on February 19, 2014.

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, (1)SAMSUNG ELECTRONICS CO., LTD., a corporation of the Republic of Korea having a place of business at 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea, and (2)THE REGENTS OF THE UNIVERSITY OF CALIFORNIA a University of the U.S.A. having a place of business at 1111 Franklin Street, Oakland, CA 94607-5200, U.S.A. (herein referred to as "ASSIGNEE"), desires to acquire, and each undersigned inventor desires to grant to ASSIGNEE, 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 ASSIGNEE, 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 ASSIGNEE, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by ASSIGNEE,

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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 ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, 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: **JUN, Shin Ae**

Signature:  Date: May 9, 2014

Legal Name of Inventor: **Seo, Dae ha**

Signature: _____ Date: _____

Legal Name of Inventor: **JANG, Eun Joo**

Signature:  Date: May 9, 2014

Legal Name of Inventor: **Jun, Young-Wook**

Signature: _____ Date: _____

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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 ASSIGNEE, its successors, legal representatives, and assigns, whenever requested by ASSIGNEE, 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: **JUN, Shin Ae**

Signature: _____ Date: _____

Legal Name of Inventor: **Seo, Dae ha**

Signature: *Dae ha Seo* Date: 12/29/2015

Legal Name of Inventor: **JANG, Eun Joo**

Signature: _____ Date: _____

Legal Name of Inventor: **Jun, Young-Wook**

Signature: *Jun Young-Wook* Date: 12/29/2015