

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHENQIANG MA	10/13/2017
KWANGEUN KIM	10/13/2017
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15726941
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<b>ATTORNEY DOCKET NUMBER:</b>	P180041US01
<b>NAME OF SUBMITTER:</b>	MEREDITH NORIEGA
<b>SIGNATURE:</b>	/Meredith Noriega/
<b>DATE SIGNED:</b>	10/19/2017
<b>Total Attachments: 3</b>	
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source=P180041US01 - Assignment - 2017-10-18#page3.tif	

ASSIGNMENT  
(Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "invention") described in the provisional or utility United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
ALUMINUM NITRIDE-ALUMINUM OXIDE LAYERS FOR ENHANCING THE EFFICIENCY OF GROUP III-NITRIDE LIGHT-EMITTING DEVICES			
PAT	UNITED STATES	157726941	October 6, 2017

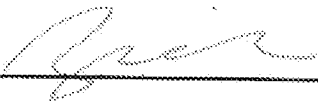
For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional and utility applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P180041US01  
Wisconsin Alumni Research Foundation

ASSIGNMENT  
Wisconsin Alumni Research Foundation  
Ref: P180041US01  
App.#: 15/726941, Filed: October 6, 2017

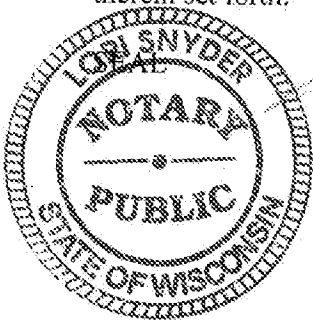
Inventor: 

Date: 10/12/2017

Zhenqiang Ma  
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Middleton, WI 53562

State of Wisconsin )  
                                  )ss.  
County of Dane        )

On this 13 day of October, 2017 before me personally appeared Zhenqiang Ma, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.



  
Notary Public

My Commission expires: 10-19-18

ASSIGNMENT

Wisconsin Alumni Research Foundation  
Ref: P180041US01  
App.#: 15/726941, Filed: October 6, 2017

Inventor: Kwangeun Kim

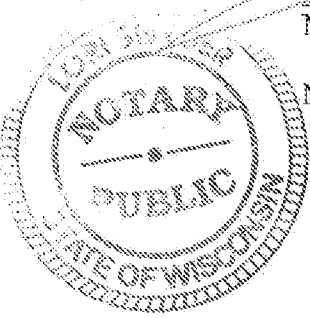
Date: 10/13/2017

Kwangeun Kim  
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Madison, WI 53705

State of Wisconsin    )  
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County of Dane        )

On this 13 day of October, 2017 before me personally appeared Kwangeun Kim, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.

SEAL



[Signature]  
Notary Public

My Commission expires: 10-19-18