

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HONGPING ZHAO	10/17/2016
SUBRINA RAFIQUE	10/17/2016
LU HAN	10/17/2016
RECEIVING PARTY DATA	
Name:	CASE WESTERN RESERVE UNIVERSITY
Street Address:	10900 EUCLID AVENUE, SEARS BUILDING - 6TH FLOOR
City:	CLEVELAND
State/Country:	OHIO
Postal Code:	44106
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15784891
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ATTORNEY DOCKET NUMBER:	747-012US1
NAME OF SUBMITTER:	IRENE CHRISTINE
SIGNATURE:	/Irene Christine/
DATE SIGNED:	10/16/2017
Total Attachments: 3	
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IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE
Assignment and Agreement

For value received, I/We, **Hongping ZHAO**, of Beachwood, Ohio, United States, **Subrina RAFIQUE** of Cleveland, Ohio, United States, **Lu HAN** of Cleveland Heights, Ohio, United States, hereby sell, assign and transfer to **Case Western Reserve University**, having an office at 10900 Euclid Avenue, Sears Building - 6th Floor, Cleveland, Ohio, 44106, United States of America, and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to all of the inventions disclosed and claimed in United States Patent Application Serial No. **62/408219**, filed on **October 14, 2016**, entitled **Method for Depositing Gallium Oxide Thin-Films**, and all the rights and privileges in said applications and under any and all Letters Patent that may be granted in the United States for said inventions. I/We also concurrently hereby sell, assign and transfer to Case Western Reserve University the entire right, title and interest in and to any and all divisional, continuation, continuation-in-part, substitute, reissue, and/or reexamination applications claiming the benefit of said application and any and all Letters Patent that may issue therefrom.

I/We also concurrently hereby sell, assign and transfer to Case Western Reserve University the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the patent applications aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I/We authorize Case Western Reserve University to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.


I/We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document, which may be required in any country in proof of the right of Case Western Reserve University to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I hereby declare that I understand the definition of small entity as defined in 37 CFR 1.27 and in Title 13 of the Code of Federal Regulations, and I declare that the owner of this application is a small entity for the purposes of paying reduced fees to the United States Patent and Trademark Office. I further declare that I shall immediately notify, or cause to be notified, the USPTO when the owner of this application ceases to be a small entity for the purposes of paying reduced fees to the United States Patent and Trademark Office.

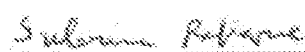
I/We hereby acknowledge that in the event of a conflict of interest between Case Western Reserve University and me/us, the firm of Kaplan Breyer Schwarz & Ottesen, LLP is the attorney for Case Western Reserve University and is not my/our attorney.

I/We request that any and all patents for said inventions be issued to Case Western Reserve University in the United States and in all countries foreign to the United States, or to such nominees as Case Western Reserve University may designate.

I agree that, when requested, I shall, without charge to Case Western Reserve University but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.

 10/17/2016

Hongping ZHAO and Date

 10/17/2016

Subrina RAFIQUE and Date

 10/17/2016

Lu HAN and Date

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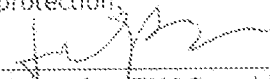
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I/We authorize Case Western Reserve University to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me/us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

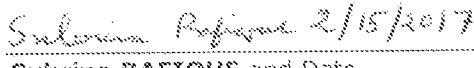
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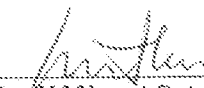
I agree that, when requested, I shall, without charge to Case Western Reserve University but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Hongping ZHAO and Date 02/15/2017



Subrina RAFIQUE and Date 2/15/2017



Lu HAN and Date 02/15/2017