

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6976530

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	BINBIN WENG	10/19/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE BOARD OF REGENTS OF THE UNIVERSITY OF OKLAHOMA	
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<b>Internal Address:</b>	ROOM 119	
<b>City:</b>	NORMAN	
<b>State/Country:</b>	OKLAHOMA	
<b>Postal Code:</b>	73019	
<b>PROPERTY NUMBERS Total: 2</b>		
	<b>Property Type</b>	<b>Number</b>
	<b>Application Number:</b>	62916907
	<b>Application Number:</b>	17074448
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<b>ATTORNEY DOCKET NUMBER:</b>	4313-02800 (OU 2019-024)	
<b>NAME OF SUBMITTER:</b>	JONATHAN K. POLK	
<b>SIGNATURE:</b>	/Jonathan K. Polk/	
<b>DATE SIGNED:</b>	10/19/2021	
<b>Total Attachments: 2</b>		
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## ASSIGNMENT

WHEREAS: I, the undersigned inventor of residence as listed below (hereinafter referred to as ASSIGNOR), having invented certain new and useful improvements as below entitled, for which application(s) for United States Letters Patent is(are) made, the said application(s) having been executed on the date(s) set forth below; and

WHEREAS: The Board of Regents of the University of Oklahoma, 660 Parrington Oval, Room 119, Norman, Oklahoma, 73019, a constitutional state entity of the State of Oklahoma (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: In consideration of the receipt of good and valuable consideration, which is hereby acknowledged, and in reliance on the Patent Policy of The Board of Regents of the University of Oklahoma, adopted December 9, 1999, a copy of which is attached hereto as Exhibit A and made a part hereof, ASSIGNOR has sold, assigned and transferred, and by these presents does hereby sell, assign and transfer unto said ASSIGNEE, ASSIGNOR'S full and exclusive right to the invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Patent Applications and Patents which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries including the right to claim priority under any applicable provisions of the International Convention and the Patent Cooperation Treaty and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said Patent Applications and Patents, and any others including provisional, non-provisional, continuation, divisional, continuation-in-part, renewal, substitution, reexamination, reissue, or National Phase applications thereof or any legal equivalent thereof in a foreign country, including utility model and petty patent applications, for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Patent and Trademark Office Officials in the United States and any and all foreign countries to issue any and all of said Patents, when granted, to said ASSIGNEE, as the ASSIGNEE of ASSIGNOR'S entire right, title and interest in and to the same, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

ASSIGNOR hereby authorizes the ASSIGNEE or ASSIGNEE'S representative to insert in this assignment document the filing date and application number of the application(s) if the date and application number are unavailable at the time this document was executed.


FURTHER, ASSIGNOR agrees that ASSIGNOR will communicate to said ASSIGNEE, or its representatives, any facts known to ASSIGNOR respecting said invention or the file history thereof, and will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitution, renewal, reexamination, reissue, National Phase applications, and legal equivalents thereof in foreign countries, including utility model and petty patent applications, execute all necessary assignment papers to cause any and all of said Patents to be issued to said

ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

Title	GAS SENSOR BASED ON A ACTIVE PHOTONIC CRYSTAL IN MID-INFRARED SPECTRUM
Provisional Application Serial No.	62/916,907
Filing Date	October 18, 2019

Title	Photonic Crystal Gas Sensor
Non-provisional Application Serial No.	17/074,448
Filing Date	October 19, 2020

Inventor Signature	
Inventor Name	Binbin Weng
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