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SUBMISSION TYPE:		NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT				
CONVEYING PARTY D	ΔΤΑ					
		Name	Execution Date			
IGNATIUS CHENG			10/11/2019			
RECEIVING PARTY D	ΑΤΑ					
Name:	UNIVERS	RSITY OF IDAHO				
Street Address:	875 PER	ERIMETER DRIVE				
City:	MOSCO					
State/Country:	IDAHO	0				
Postal Code:	83844	4				
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PROPERTY NUMBERS Total: 6 Property Type Number						
Application Number:		6292317				
		5292318				
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Application Number.		5232323				
CORRESPONDENCE	DATA					
Fax Number:	(3	17)231-7433				
		he e-mail address first; if that is u if that is unsuccessful, it will be s				
Phone:		172361313				
Email:		indocket@btlaw.com				
Correspondent Name:		ARNES & THORNBURG LLP				
Address Line 1:		1 SOUTH MERIDIAN STREET				
Address Line 4:		IDIANAPOLIS, INDIANA 46204				
ATTORNEY DOCKET NUMBER:		65040-100				
NAME OF SUBMITTER:		JOSHUA P. LARSEN	JOSHUA P. LARSEN			
		/Joshua P. Larsen/				
SIGNATURE:						
SIGNATURE: DATE SIGNED:		01/10/2020				

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DECLARATION AND ASSIGNMENT

This Declaration and Assignment is directed to each and all of U.S. Patent Application Serial Nos. 16/292,317 (titled "Chemical Oxygen Demand Sensing Using Pseudo-Graphite"), 16/292,318 (titled "Chlorine Species Sensing Using Pseudo-Graphite"), 16/292,320 (titled "pH Sensing Using Pseudo-Graphite"), 16/292,322 (titled "Technologies Using Pseudo-Graphite Composites"), 16/292,323 (titled "Technologies Using Nitrogen-Functionalized Pseudo-Graphite"), and 16/292,325 (titled "Technologies Using Surface-Modified Pseudo-Graphite"), all filed on March 5, 2019 (collectively, the "Applications").

As the below named inventor, I declare that:

- Each of the above-identified Applications was made or authorized to be made by me.
- I believe that I am an original joint inventor of a claimed invention in each of the Applications.
- I have reviewed and understand the contents of each of the above-identified Applications, including the claims.
- I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37. Code of Federal Regulations, § 1.56.
- 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.

Furthermore, for good and valuable consideration, the receipt of which is hereby acknowledged, I confirm that I have sold, assigned, transferred, and set over and do hereby sell, assign, transfer, and set over to UNIVERSITY OF IDAHO, of 875 Perimeter Drive, Moscow, Idaho 83844 (hereinafter, "the UNIVERSITY"), the entire right, title, and interest in, to, and under the Applications, any and all patent applications claiming priority to any of the Applications, all inventions disclosed therein, and any and all Letters Patent that may be granted for such inventions, with all rights in such Letters Patent to be held and enjoyed by the UNIVERSITY for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment not been made.

I agree to execute any and all papers in connection with the Applications, any and all patent applications claiming priority to any of the Applications, and any Letters Patent issuing therefrom, and also to execute separate assignments as the UNIVERSITY may deem necessary or desirable.

I agree to execute any and all papers in connection with any litigation, interference, derivation, reexamination, inter partes review, post grant review, or other proceeding concerning any of the Applications, any and all patent applications claiming priority to any of the Applications, and any Letters Patent issuing therefrom, and also to cooperate with the UNIVERSITY in every way possible in obtaining evidence and participating in any such proceeding.

PATENT REEL: 051478 FRAME: 0591 I agree to perform any and all other acts which, in the opinion of the UNIVERSITY, may be necessary or desirable to secure the grant of Letters Patent to the UNIVERSITY or its nominees, in the United States and in all other countries where the UNIVERSITY may desire patent protection, with specifications and claims in such form as shall be approved by the UNIVERSITY, and to vest and confirm in the UNIVERSITY or its nominees the full and complete legal and equitable title to all such Letters Patent.

I hereby warrant that I possessed the full right to convey my interest in the Applications to the UNIVERSITY, and that I have not executed, and will not execute, any agreement in conflict herewith.

I hereby grant the attorney of record the power to insert on this Declaration and Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for filing and/or recordation of this document.

12/11	12019	Ignatius CHENG	Aq		\rightarrow
14	Date	Name	$\bigvee 0$	Signature	0

RECORDED: 01/10/2020