504593668 10/13/2017 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT			
CONVEYING PARTY	ΔΤΑ				
			Name	Execution Date	
ΗΑΙ ΧΙΑΟ				10/03/2017	
WENGE ZHU				10/03/2017	
RECEIVING PARTY D	ΑΤΑ				
Name:	CLEM	CLEMSON UNIVERSITY			
Street Address:	230 K/	230 KAPPA STREET			
City:	CLEM	CLEMSON			
State/Country:	SOUT	SOUTH CAROLINA			
Postal Code:	29634	29634			
Property Type Application Number:		Number 15710394			
Application Number.	ļ				
CORRESPONDENCE	DATA				
CORRESPONDENCE Fax Number:	DATA	(864)	233-7342		
Fax Number: Correspondence will	be sent to	o the e	233-7342 e-mail address first; if that is unsucc pat is unsuccessful, it will be sent via	essful, it will be sent a US Mail.	
Fax Number: <i>Correspondence will a using a fax number, it</i> Phone:	be sent to	o the o d; if th 864-2	e-mail address first; if that is unsucc nat is unsuccessful, it will be sent via 171-1592	n US Mail.	
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Total Attachments: 2

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ASSIGNMENT OF WORLDWIDE RIGHTS

WHEREAS, we, HAI XIAO, a citizen of the United States residing at 102 Sugar Maple Court., Clemson, South Carolina 29631; and WENGE ZHU, a citizen of China, residing at 230 Campus Drive, Apt. H, Central, South Carolina 29630, as assignors, have made an invention entitled

"ALL-DIGITAL SENSING DEVICE AND IMPLEMENTATION METHOD" as described in a patent application for U.S. Letters Patent bearing U.S. Serial No. 15/710,394, which was filed in the U.S. Patent and Trademark Office on September 20, 2017; and

WHEREAS, Clemson University, Clemson, South Carolina 29634, as assignee, is desirous of securing the entire right, title and interest in and to this invention in all countries throughout the world, and in and to the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW, THEREFORE, be it known that for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have assigned, transferred, and set over, and do hereby assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof, and we hereby authorize and request the Commissioner for Patents of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Agreement.

AND, WE HEREBY covenant that we have the full right to convey the interest assigned by this Assignment, and we have not executed, and will not execute any agreement in conflict with this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title of this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN WITNESS WHEREOF, Assignors have executed this document on the date indicated below.

je s

 Io/3/2017

 Hai Xiao

 Wange Zhu

 Wenge Zhu

 Date

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RECORDED: 10/13/2017