PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5088913

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ZHENYING XU	07/26/2018
HONG HONG	07/26/2018
XIAOLONG ZHANG	07/26/2018
HAN DU	07/26/2018
DONGYAN WAN	07/26/2018
YUN WANG	07/26/2018

RECEIVING PARTY DATA

Name:	JIANGSU UNIVERSITY
Street Address:	NO. 301, XUEFU ROAD ZHENJIANG
City:	JIANGSU
State/Country:	CHINA
Postal Code:	212013

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16074034	

CORRESPONDENCE DATA

Fax Number: (520)882-7643

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 5208827623

Email: cgee@hayes-soloway.com NORMAN P. SOLOWAY **Correspondent Name:** 4640 E. SKYLINE DRIVE Address Line 1: Address Line 4: TUCSON, ARIZONA 85718

ATTORNEY DOCKET NUMBER:	JINGWEI DOP18US1463	
NAME OF SUBMITTER:	NORMAN P. SOLOWAY	
SIGNATURE:	/norman p. soloway/	
DATE SIGNED:	08/08/2018	

Total Attachments: 6

PATENT REEL: 046588 FRAME: 0245

PATENT REEL: 046588 FRAME: 0246

I, Zhenying XU of Jiangsu, China, having invented certain inventions and improvements in A FLEXIBLE SENSOR WITH PIEZOELECTRIC ARRAY APPLIED FOR WELD DEFECT DETECTION BASED ON FEATURE GUIDED WAVES AND ITS TESTING METHOD and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/074.034, filed July 30, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from JIANGSU UNIVERSITY, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America to issue Letters Patent on the said application to the Assignee:

And I do hereby jointly and severally covenant for myself and for my legal representatives that I have granted no right or license to make, use, or sell said invention to anyone except the Assignee, that prior to the execution of this deed my right, title, and interest in and to said inventions or any of them or any part thereof has not been otherwise encumbered by me, and that I have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature	Than you XU	,	Date _	2018.7.26
Full name (typed or printed	D) Zhenying XU		1800	
Witness: [efans	rin	Witness:		
Yueyang Zheng	·			
Date: / 9 70(8, 916		Date:		
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PATENT REEL: 046588 FRAME: 0247

I, Hong HONG of Jiangsu, China, having invented certain inventions and improvements in A FLEXIBLE SENSOR WITH PIEZOELECTRIC ARRAY APPLIED FOR WELD DEFECT DETECTION BASED ON FEATURE GUIDED WAVES AND ITS TESTING METHOD and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/ 074,034 , filed July 30 ____, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from JIANGSU UNIVERSITY, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America; And for the same consideration I do agree that I will upon request execute any instrument

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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature	Hong HONG	Date 2018 . 7. 26
Full name (typed or printed)	Hong HONG	tien in fare to the state of th
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Yueyang Zheng	The state of the s	
Date: 7, 26	Date:	
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1, Xiaolong ZHANG of Jiangsu, China, having invented certain inventions and improvements in A FLEXIBLE SENSOR WITH PIEZOELECTRIC ARRAY APPLIED FOR WELD DEFECT DETECTION BASED ON FEATURE GUIDED WAVES AND ITS TESTING METHOD and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. ____, filed July 30 _____, 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from JIANGSU UNIVERSITY, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America; And for the same consideration I do agree that I will upon request execute any instrument which the Assignee may desire to carry this Assignment into effect and perfect the title transferred hereby or prosecute the above-mentioned application;

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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature Xianlong 2	244NG Date 2018.7. 16
Full name (typed or printed) Xiaolong ZH	ANG
Witness: Ye form Fin	Witness:
Yueyang . Zhong	YYTHIC55. "
Date: 20/2 7, 26	Date:
2018. 7.26	

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I, Han DU of Jiangsu, China, having invented certain inventions and improvements in A FLEXIBLE SENSOR WITH PIEZOELECTRIC ARRAY APPLIED FOR WELD DEFECT DETECTION BASED ON FEATURE GUIDED WAVES AND ITS TESTING METHOD and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/074,034 , filed July 30 , 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from JIANGSU UNIVERSITY, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;
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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature	Han Du		Date	2018.7.26	
Full name (typed or printed	l) Han DU	<i>y</i> .	MANAGEM MANAGEMENT	Marie Ma	*************
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Date: 7014.7726	and delegate operation and deleterate operations in the second and an artist of the second and artist of the second artist of the second and artis	Date:			
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I, Dongyan WAN of Jiangsu, China, having invented certain inventions and improvements in A FLEXIBLE SENSOR WITH PIEZOELECTRIC ARRAY APPLIED FOR WELD DEFECT DETECTION BASED ON FEATURE GUIDED WAVES AND ITS TESTING METHOD and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/074,034 , filed July 30 , 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from JIANGSU UNIVERSITY, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature <u>Dongyam</u> WAN Full name (typed or printed) Dongyan WAN		Date 2018.7.16
Witness: To fam Yin Yueyang - Zhong Date:	Witness:	

I, Yun WANG of Jiangsu, China, having invented certain inventions and improvements in A FLEXIBLE SENSOR WITH PIEZOELECTRIC ARRAY APPLIED FOR WELD DEFECT DETECTION BASED ON FEATURE GUIDED WAVES AND ITS TESTING METHOD and having executed an application for Letters Patent of the United States of America describing the same and based thereon (U.S. Patent Application Serial No. 16/074,034 , filed July 30 , 2018), for good and valuable consideration, the receipt of which is hereby acknowledged from JIANGSU UNIVERSITY, a Chinese University having its principal address at No. 301, Xuefu Road Zhenjiang, Jiangsu 212013, CHINA (hereinafter called the Assignee), do hereby sell, assign and transfer unto the Assignee, its successors, and assigns my entire right, title, and interest, in and to said invention in the United States of America, including all rights, title and interest in the above-mentioned application and any divisional, continuing or reissue application or applications and any patent which may be issued on the said invention in the United States of America;

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IN WITNESS WHEREOF, I/we hereunto set my hand and seal on the day and year hereinafter noted.

Inventor's signature	Yun WANG		Date	2018.7.26	
Full name (typed or printed)	Yun WANG	1		· · · · · · · · · · · · · · · · · · ·	
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	THE CONTRACTOR OF THE PROPERTY				

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