# PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Islam Ashry	03/06/2019
Mao Yuan	03/06/2019
Mohd Sharizal Alias	03/06/2019
Boon Siew Ooi	03/06/2019

### **RECEIVING PARTY DATA**

Name:	King Abdullah University of Science and Technology	
Street Address:	Office of Research Services	
Internal Address:	Building 4, Room3335 Thuwal	
City:	23955-6900	
State/Country:	Kingdom of Saudi Arabia	
Postal Code:		

# **PROPERTY NUMBERS Total: 1**

Property Type	Number	
Application Number:	16295212	

#### **CORRESPONDENCE DATA**

Fax Number: (877)769-7945

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: +1 (214) 292-4008

Email: mattioli@fr.com, apsi@fr.com

JING WANG **Correspondent Name:** 

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	38136-0708001	
NAME OF SUBMITTER:	KIRSTIN MATTIOLI	
SIGNATURE:	/kirstin mattioli/	
DATE SIGNED:	05/10/2019	
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**Total Attachments: 2** 

**PATENT REEL: 049148 FRAME: 0668** 

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PATENT REEL: 049148 FRAME: 0669

Attorney Docket No.: 38136-0708001 / SA7692

## ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ISLAM ASHRY, MAO YUAN, MOHD SHARIZAL BIN ALIAS, and BOON SIEW OOI, each individually assign to KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, a corporation formed under the laws of Kingdom of Saudi Arabia and having a principal place of business at Office of Research Services, Building 4, Room3335, Thuwal, 23955-6900, Kingdom of Saudi Arabia, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "QUASI-FUNDAMENTAL-MODE OPERATED MULTIMODE FIBER FOR DISTRIBUTED ACOUSTIC SENSING," and was or will be filed in the United States Patent and Trademark Office on March 7, 2019 , as application 16/295,212 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

Attorney Docket No.: 38136-0708001 / SA7692

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Islam asnry	Date:	6 March, 2019	
Islam Ashry	. –		-
Mao Yuan	Date:	6 March, 2019	-
Mohd Sharizal Alias Mohd Sharizal Bin Alias	Date:	6 March, 2019	-
Boon Siew Ooi	Date:	6 March, 2019	
The Assignee hereby acknowledg Assignee: KING ABDULLAH U.	_		)GY
Signature:			701
Name:			
Title:			
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Assignment Page 2 of 2