

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YUANJIN ZHENG	10/10/2017
XIAOHUA FENG	10/19/2017
FEI GAO	08/29/2017
RECEIVING PARTY DATA	
Name:	NANYANG TECHNOLOGICAL UNIVERSITY
Street Address:	50 NANYANG AVENUE
City:	SINGAPORE
State/Country:	SINGAPORE
Postal Code:	639798
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15553861
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ATTORNEY DOCKET NUMBER:	103117-1059999
NAME OF SUBMITTER:	DARIN J. GIBBY
SIGNATURE:	/darin j gibby/
DATE SIGNED:	10/20/2017
Total Attachments: 4	
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source=103117-1059999-assignment#page4.tif	

ASSIGNMENT
(Patent Application)

We, the undersigned, have invented certain inventions and improvements disclosed in a utility (provisional or non-provisional) or design patent application entitled

"PHOTO-ACOUSTIC SENSING APPARATUS AND METHODS OF OPERATION THEREOF," filed with the U.S. Patent & Trademark Office on August 25, 2017, and assigned serial no.15/553,861.

For good and valuable consideration, the receipt and sufficiency of which We acknowledge,
We:

Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to Nanyang Technological University, having a principal place of business at 50 Nanyang Avenue, Singapore 639798 ("Assignee"), the entire right, title, and interest in and to:

- (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and
 - (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from

ASSIGNMENT

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the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.

3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon me, as well as my heirs, legal representatives, and assigns.
5. Promise and affirm that We have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.
6. Authorize Kilpatrick Townsend & Stockton to insert the above application number and filing date of the above-described patent application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 10/10/2017



Yuanjin Zheng

Dated: _____

Xiaohua Feng

Dated: _____

Fei Gao

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Attorney Docket No. 103117-1059999

Page 2 of 2

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6. Authorize Kilpatrick Townsend & Stockton to insert the above application number and filing date of the above-described patent application when known.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Yuanjin Zheng

Dated: 19/10/2017

Xiaohua Feng
Xiaohua Feng

Dated: _____

Fei Gao

70086211V.1

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Attorney Docket No. 103117-1059999

Page 2 of 2

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IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: _____

Yuanjin Zheng

Dated: _____

Xiaohua Feng

Dated: 29 Aug. 2017



Fei Gao

70086211V.1