

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3767588

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN W. ZINN	09/30/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AKUSTICA, INC.
<b>Street Address:</b>	2835 EAST CARSON STREET
<b>Internal Address:</b>	SUITE 301
<b>City:</b>	PITTSBURGH
<b>State/Country:</b>	PENNSYLVANIA
<b>Postal Code:</b>	15203
<b>Name:</b>	ROBERT BOSCH GMBH
<b>Street Address:</b>	POSTFACH 30 02 20
<b>City:</b>	STUTTGART
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	D-70442
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14894391
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(414)277-0656
<i>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.</i>	
<b>Phone:</b>	414-271-6560
<b>Email:</b>	mkeipdocket@michaelbest.com
<b>Correspondent Name:</b>	MICHAEL BEST & FRIEDRICH LLP
<b>Address Line 1:</b>	100 EAST WISCONSIN AVENUE
<b>Address Line 2:</b>	SUITE 3300
<b>Address Line 4:</b>	MILWAUKEE, WISCONSIN 53202-4108
<b>ATTORNEY DOCKET NUMBER:</b>	081276-9671-US01
<b>NAME OF SUBMITTER:</b>	JODI ANDERSON
<b>SIGNATURE:</b>	/jodi anderson/

<b>DATE SIGNED:</b>	03/03/2016
<b>Total Attachments: 2</b> source=18379841_081276-9671-US01_-_Assignment_-_AS_FILED#page1.tif source=18379841_081276-9671-US01_-_Assignment_-_AS_FILED#page2.tif	

## ASSIGNMENT

Pursuant to my obligation to Akustica, Inc (hereinafter referred to as "Assignee"),  
a Delaware corporation having its principal place of business at:

2835 East Carson Street, Suite 301  
Pittsburgh, PA 15203 USA

and for other valuable and sufficient consideration, receipt whereof is hereby  
acknowledged, I:

John W. Zinn  
146 Smithfield St.  
Canonsburg, PA 15317

confirm my obligation to and hereby sell, assign and convey, unto Assignee, its  
successors and assigns, except as set forth below, my entire right, title and interest -

(1) in and to inventions described in a patent application titled "TRAPPED  
MEMBRANE" for which I filed United States Provisional Patent Application No.  
61/829,550 (Atty. File No. 081276-9671-US00);


(2) in and to the U.S. provisional patent application, in and to all other patent  
applications (including divisional, continuation, continuation-in-part, and reissue  
applications) based upon said invention, and in and to the patent or patents to be  
granted thereon, to the full end of the term or terms for which said patent or patents may  
be granted;

(3) in and to all patent applications on said invention now or hereafter filed in  
countries foreign to the United States of America, including patent applications filed  
under the Patent Cooperation Treaty, the European Patent Convention or any other  
international treaty, and including the right to claim priority of said U.S. provisional patent  
application and in and to any and all patents granted on said applications to the full end  
of the terms for which said patents may be granted.

I hereby agree that I will, upon demand of Assignee, its successors or assigns, and without further consideration to me, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by me.

The foregoing notwithstanding, and in recognition of the fact that Assignee is part of the Bosch group of companies, I hereby assign to Robert Bosch GmbH, a German corporation having a mailing address at Postfach 30 02 20, D-70442 Stuttgart, GERMANY, the limited right to be named as assignee or applicant at the time of publication and at the time of issue on any applications or patents granted as referred to in foregoing paragraphs (2) and (3). If the right applicable to any such patent application allows an assignee to be the applicant of the patent application, Robert Bosch GmbH shall have the right to be identified as applicant of the patent application and the right to claim priority of said U.S. provisional patent application. This limited right granted to Robert Bosch GmbH with respect to any patent application or granted patent shall expire upon the first-occurring of (i) assignment to a third party of any of the above-mentioned rights of Assignee, or (ii) with respect to any particular patent, issue of such patent, and shall be subsequently part of the assignable rights of Assignee. All other rights to said invention, said applications and said patents, U.S. or foreign, including the right under any of said patents to manufacture, use, sell or offer for sale the invention covered by said patents, or to license or permit use of said invention, remain with Assignee and shall be assignable by Assignee without the consent of Robert Bosch GmbH.

Sept 30, 2013  
Date

  
John W. Zinn

PATENT