

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BRETT MATHEW DIAMOND	04/02/2015
JOHN M MUZA	04/07/2015
JOHN W ZINN	04/09/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROBERT BOSCH LLC
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<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60155
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<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:	15129572
<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>	
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<b>ATTORNEY DOCKET NUMBER:</b>	081276-9728-US01
<b>NAME OF SUBMITTER:</b>	DEREK C. STETTNER

<b>SIGNATURE:</b>	/derek c. stettner/
<b>DATE SIGNED:</b>	09/28/2016
<b>Total Attachments: 3</b> source=19704960_081276-9728_Assignment_-_AS_FILED#page1.tif source=19704960_081276-9728_Assignment_-_AS_FILED#page2.tif source=19704960_081276-9728_Assignment_-_AS_FILED#page3.tif	

## ASSIGNMENT

Pursuant to our obligation to Robert Bosch LLC (hereinafter referred to as "Assignee"), a Delaware limited liability company having its principal place of business at:

2800 South 25th Avenue  
Broadview, IL 60155

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

Brett Mathew Diamond  
235 Queensberry Court  
Pittsburgh, PA 15237

John M. Muza  
116 Bridle Trail  
Venetia, PA 15367

John W. Zinn  
146 Smithfield Street  
Canonsburg, PA 15317

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

(1) in and to inventions described in a patent application titled "DOPED SUBSTRATE REGIONS IN MEMS MICROPHONES" the specification of which was filed with my authority on March 31, 2015 as International Patent Application No. PCT/US15/23587 (Atty. File No. 081276-9728-WO) (hereinafter the "PCT application") which application claims the benefit of United States Provisional Patent Application No. 61/973507, filed April 1, 2014 (hereinafter the "U.S. provisional patent application");

(2) in and to the PCT application and the U.S. provisional patent application, in and to all other U.S. patent applications (including PCT national phase, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention or claiming the benefit of the PCT application, or the U.S.

provisional patent application, 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 foreign applications entering the national phase of the PCT 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; and

(4) under the International Convention in respect to the PCT application and the U.S. provisional patent application.

We hereby agree that any patent applications of any foreign countries which may be filed shall be filed in the name of Assignee with a claim to priority based on the PCT application and the U.S. provisional patent application. We hereby agree that we will, upon demand of Assignee, its successors or assigns, and without further consideration to us, 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 us.

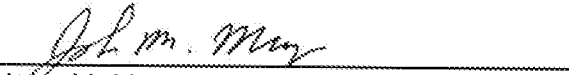
The foregoing notwithstanding, and in recognition of the fact that Assignee is part of the Bosch group of companies, we hereby assign to Robert Bosch GmbH, a German corporation having a mailing address at Postfach 30 02 20, D-70442 Stuttgart, GERMANY, the limited right to be named as assignee or applicant 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 PCT application, and 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.

4/2/15  
Date

  
Brett Mathew Diamond

4/9/15  
Date

  
John M. Muza

4/9/2015  
Date

  
John W. Zinn