

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN L. MELANSON	09/07/2017
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15675314
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DATE SIGNED:	09/19/2017
Total Attachments: 2	
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ASSIGNMENT

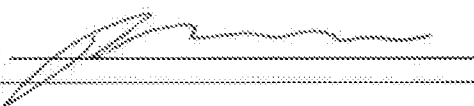
WHEREAS, JOHN L. MELANSON, a citizen of the United States of America, residing at 901 West 9th Street, #201, Austin, Texas 78703, hereinafter called the "Assignor", has made the invention described in the United States patent application entitled *Systems and Methods for Using a Piezoelectric Speaker as a Microphone in a Mobile Device*, Attorney Docket No. 141841.00682-P2046USCIP, for a full description of which reference is here made to an application for Letters Patent of the United States filed on August 11, 2017 and assigned Application Serial No. 15/675,314; and

For good and valuable consideration, the receipt of which is hereby acknowledged, we hereby also sell, assign and transfer unto Cirrus Logic, Inc., the entire right, title and interest in and to the invention and in and to applications for Letters Patent therefor in the United States of America and all countries foreign to the United States of America, including all rights under any and all international conventions and treaties in respect of the invention and the applications for Letters Patent in foreign countries, and we further authorize Cirrus Logic, Inc. to apply for Letters Patent in foreign countries directly in its own name, and to claim priority of the filing date of the application for Letters Patent of the United States of America under the provisions of any and all international conventions and treaties.

We hereby authorize and request the Commissioner of Patents of the United States of America to issue Letters Patent upon the aforesaid application, division, extension, continuation, continuation-in-part, or reissue, to Cirrus Logic, Inc., for the sole use and benefit of Cirrus Logic, Inc., its successors, assigns and legal representatives, to the full end of the term for which the Letters Patent may be granted, the same as they would have been held and enjoyed by me had this assignment not been made, and we hereby authorize and request the equivalent authorities in foreign countries to issue the patents of their respective countries to Cirrus Logic, Inc.

We agree that, when requested, we will, without charge to Cirrus Logic, Inc., but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for the inventions in any and all countries and for vesting title thereto in Cirrus Logic, Inc., its successors, assigns and legal representatives or nominees.

We covenant with Cirrus Logic, Inc., its successors, assigns and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license or other encumbrance.

NAME OF FIRST INVENTOR	JOHN L. MELANSON
SIGNATURE OF FIRST INVENTOR	
DATE	SEP 07 2017