

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Richard N. Silver</td> <td>07/06/2013</td> </tr> <tr> <td>Kurt F. Raihn</td> <td>07/03/2013</td> </tr> <tr> <td>Neal O. Fenzi</td> <td>07/03/2013</td> </tr> <tr> <td>Robert B. Hammond</td> <td>07/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	Richard N. Silver	07/06/2013	Kurt F. Raihn	07/03/2013	Neal O. Fenzi	07/03/2013	Robert B. Hammond	07/03/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>RESONANT LLC</td> </tr> <tr> <td>Street Address:</td> <td>460 Ward Drive, Suite D</td> </tr> <tr> <td>City:</td> <td>Santa Barbara</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>93111</td> </tr> </table>		Name:	RESONANT LLC	Street Address:	460 Ward Drive, Suite D	City:	Santa Barbara	State/Country:	CALIFORNIA	Postal Code:	93111
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CORRESPONDENCE DATA											
Fax Number: 9496258955 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 949-724-1849 Email: jll@viplawgroup.com Correspondent Name: Vista IP Law Group LLP Address Line 1: 2040 MAIN STREET, Suite 710 Address Line 4: IRVINE, CALIFORNIA 92614											
ATTORNEY DOCKET NUMBER:	RES-017										
NAME OF SUBMITTER:	Michael J. Bolan										
Signature:	/Michael J. Bolan/										

Date:	07/10/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
Total Attachments: 2 source=Signed Assignment#page1.tif source=Signed Assignment#page2.tif	

COMBINED DECLARATION & ASSIGNMENT

Attorney Docket No.:
RES-017

Page 1 of 1

Client Ref. No.: RES-017

Title: IMPROVED DESIGN OF MICROWAVE
ACOUSTIC WAVE FILTERS

ASSIGNMENT

WHEREAS, I, Richard N. Silver, Kurt F. Raihn, Neal O. Fenzi and Robert B. Hammond, have invented certain new and useful improvements as described in U.S. patent application, entitled IMPROVED DESIGN OF MICROWAVE ACOUSTIC WAVE FILTERS, the application having been executed on even date herewith, and/or being identified in the United States Patent and Trademark Office ("USPTO") by Application No. 13/934,051, filed July 2, 2013 ("Invention"); and

WHEREAS, RESONANT LLC, a Limited Liability Company of the State of California, and having an address of 460 Ward Drive, Suite D, Santa Barbara, CA 93111, U.S.A. (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuation-in-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

I authorize the Assignee to insert in this instrument the filing date and application number of the application when ascertained. I hereby authorize the Assignee (or its designee) to apply for patent (or similar legal protection) in its own name if desired, in any and all countries.

I represent to the Assignee that I have not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. I agree when requested, without additional consideration, but at the expense of the Assignee, to provide additional reasonable assistance necessary to memorialize this assignment, to execute all oaths, declarations, assignments, powers of attorney and other papers necessary to perfect and vest title to the rights assigned herein to the Assignee; and will render all assistance in filing, obtaining, maintaining, and enforcing any patent (or similar legal protection) on the Invention in any and all countries.

DECLARATION

I have reviewed and understand the contents of the above-identified patent application including the claims, and I believe I am an original or an original joint inventor of a claimed invention in the above-identified patent application. The above-identified patent application was made or authorized to be made by me. I am aware of and acknowledge my duty to disclose to the USPTO all information known to me to be material to patentability of the claims in the above-identified patent application. I acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.



Richard N. Silver

Date 7/6/13

Kurt F. Raihn

Date _____

Neal O. Fenzi

Date _____

Robert B. Hammond

Date _____

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WHEREAS, **RESONANT LLC**, a Limited Liability Company of the State of California, and having an address of 460 Ward Drive, Suite D, Santa Barbara, CA 93111, U.S.A. (together with its successors and assigns, the "Assignee"), seeks to memorialize its ownership of the entire right, title and interest in and to the Invention;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, I transfer to Assignee my entire right, title, and interest in and to the Invention, including all inventions disclosed or claimed in the above-identified patent application, including any improvements thereof, any corresponding domestic applications (e.g., provisional, non-provisional, divisional, continuation, continuation-in-part, reexamination, and/or reissue patent), any corresponding foreign applications, all patents issuing thereon, or other patent application based off or claiming priority to the above-identified patent application, and all rights and benefits under any applicable treaty or convention. I authorize the USPTO (or foreign equivalent thereof) to issue any patent (or similar legal protection) to the Assignee.

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Richard N. Silver

Date _____

Neal O. Fenzi

Neal O. Fenzi

Date 7/3/13

Kurt F. Ralhn
Kurt F. Ralhn

Date 7/3/2013

Robert B. Hammond

Robert B. Hammond

Date 7/3/13