

## 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>ROBERT AIGNER</td> <td>10/02/2013</td> </tr> <tr> <td>ALIREZA TAJIC</td> <td>10/02/2013</td> </tr> </tbody> </table>		Name	Execution Date	ROBERT AIGNER	10/02/2013	ALIREZA TAJIC	10/02/2013
Name	Execution Date						
ROBERT AIGNER	10/02/2013						
ALIREZA TAJIC	10/02/2013						
RECEIVING PARTY DATA							
Name:	TRIQUINT SEMICONDUCTOR, INC.						
Street Address:	2300 NE BROOKWOOD PARKWAY						
City:	HILLSBORO						
State/Country:	OREGON						
Postal Code:	97124						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14044782</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14044782		
Property Type	Number						
Application Number:	14044782						
CORRESPONDENCE DATA							
Fax Number:	(503)796-2900						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	503-222-9981						
Email:	shouk@schwabe.com						
Correspondent Name:	SCHWABE WILLIAMSON & WYATT						
Address Line 1:	PACWEST CENTER, SUITE 1900						
Address Line 2:	1211 SW FIFTH AVENUE						
Address Line 4:	PORTLAND, OREGON 97204						
ATTORNEY DOCKET NUMBER:	112693-191798						
NAME OF SUBMITTER:	SALLY HOUK						
Signature:	/Sally Houk/						
Date:	10/02/2013						

CH \$40.00 14044782

Total Attachments: 4

source=TQ0204 Assignment#page1.tif

source=TQ0204 Assignment#page2.tif

source=TQ0204 Assignment#page3.tif

source=TQ0204 Assignment#page4.tif

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

**ASSIGNOR(S):** Robert Aigner and Alireza Tajic

hereby sells, assigns, and transfers to

**ASSIGNEE:** TriQuint Semiconductor, Inc.  
2300 NE Brookwood Parkway  
Hillsboro, OR 97124

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

**Temperature Compensated Bulk Acoustic Wave Devices Using Over-Moded Acoustic Reflector Layers**

(We hereby authorize and request the attorneys associated with Customer Number 86128 to insert on the designated lines below, the filing date and application number of said application when known.)

U.S. Application No: 14/044,782

Date of Filing: 02-Oct-2013

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agrees that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations,

  
**PATENT**

**REEL: 031333 FRAME: 0205**

extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenants with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Inventors: Please sign and date below:**

Inventors: Please indicate the date you signed the Declaration

02 Oct 2013

Date

  
Robert Aigner

02 Oct 2013

Date

\_\_\_\_\_  
Date

Alireza Tajic

\_\_\_\_\_  
Date

**ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged that the undersigned,

**ASSIGNOR(S):** Robert Aigner and Alireza Tajic

hereby sells, assigns, and transfers to

**ASSIGNEE:** TriQuint Semiconductor, Inc.  
2300 NE Brookwood Parkway  
Hillsboro, OR 97124

and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent that has been executed by the undersigned prior hereto or concurrently herewith on the dates indicated below and is entitled:

**Temperature Compensated Bulk Acoustic Wave Devices Using Over-Moded Acoustic Reflector Layers**

(We hereby authorize and request the attorneys associated with Customer Number 86128 to insert on the designated lines below, the filing date and application number of said application when known.)

U.S. Application No: 14/044,782  
Date of Filing: 02-Oct-2013

and in and to said application and all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

agrees that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations,

extensions and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenants with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

**Inventors: Please sign and date below:**

**Inventors: Please  
Indicate the date you  
signed the Declaration**

..... Date	..... Robert Aigner	..... Date
<i>02 Oct. 2013</i>	<i>A.R. Tajic</i>	<i>02 Oct. 2013</i>
..... Date	..... Alireza Tajic	..... Date