

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3953827

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CARLTON STUEBING	04/10/2007
GUILLAUME BOUCHE	04/10/2007
RECEIVING PARTY DATA	
Name:	QORVO US, INC.
Street Address:	7628 THORNDIKE ROAD
City:	GREENSBORO
State/Country:	NORTH CAROLINA
Postal Code:	27409
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	8525620
CORRESPONDENCE DATA	
Fax Number:	(877)812-1249
<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>	
Phone:	9192382300
Email:	jalkove@wt-ip.com
Correspondent Name:	WITHROW & TERRANOVA, P.L.L.C.
Address Line 1:	106 PINEDALE SPRINGS WAY
Address Line 4:	CARY, NORTH CAROLINA 27511
ATTORNEY DOCKET NUMBER:	2867-1816C
NAME OF SUBMITTER:	JENNIFER ALKOVE
SIGNATURE:	/Jennifer Alkove/
DATE SIGNED:	07/08/2016
Total Attachments: 11	
source=2867-1816C_Assignment#page1.tif	
source=2867-1816C_Assignment#page2.tif	
source=2867-1816C_Assignment#page3.tif	
source=2867-1816C_Assignment#page4.tif	
source=2867-1816C_Assignment#page5.tif	

source=2867-1816C_Assignment#page6.tif
source=2867-1816C_Assignment#page7.tif
source=2867-1816C_Assignment#page8.tif
source=2867-1816C_Assignment#page9.tif
source=2867-1816C_Assignment#page10.tif
source=2867-1816C_Assignment#page11.tif

Title: Improved BAW Resonator Filter Bandwidth and Out-of-Band Frequency Rejection
Inventors: Carlton Stuebing and Guillaume Bouche
Filed: April 11, 2007
Serial Number: Unassigned
Client Docket No.: MAXM-464
Attorney Docket No.: 20033-1195

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, the individual(s) named below (hereinafter "INVENTOR" whether singular or plural) has sold, assigned, transferred, and set over, and hereby sells, assigns, transfers and sets over, to Maxim Integrated Products, Inc., a corporation of the State of Delaware, having a place of business at 120 San Gabriel Drive, Sunnyvale, CA 94086 ("ASSIGNEE"), for itself and its successors, transferees, and assignees, the following:

1. The full and exclusive worldwide right, title, and interest in and to all inventions and improvements ("SUBJECT MATTER") that are disclosed in the U.S. patent application, entitled "IMPROVED RESONATOR FILTER BANDWIDTH AND OUT-OF-BAND FREQUENCY REJECTION" ("APPLICATION"),

☐ which is a provisional application

☐ bearing Application No. _____, and filed on _____;
☐ to be filed herewith; or

☒ which is a non-provisional application

☒ bearing Application No. 11/734,188, and filed on 4/11/07;

☒ to be filed herewith;

☒ having an oath or declaration executed on the same date as this Assignment;

☐ having an oath or declaration executed on a different date than this Assignment.

2. The entire worldwide right, title, and interest in and to the APPLICATION and all applications claiming priority to the APPLICATION or having related SUBJECT MATTER to the APPLICATION, including all such utility, divisional, continuation, substitute, renewal, reissue or other related application and all rights of priority in the APPLICATION, together with all rights to recover damages for infringement of provisional rights.

INVENTOR hereby authorizes and requests the Commissioner of the U.S. Patent and Trademark Office, and Patent Office Officials in all foreign countries, to issue to the ASSIGNEE any and all patents which may be granted from the APPLICATION.

INVENTOR will, without further consideration, communicate to the ASSIGNEE any facts known to the INVENTOR regarding the SUBJECT MATTER, testify in any legal proceeding, sign all lawful papers, execute all oaths, assignments, powers of attorney, applications and any other

Title: Improved BAW Resonator Filter Bandwidth and Out-of-Band Frequency Rejection
Inventors: Carlton Stuebing and Guillaume Bouche
Filed: April 11, 2007
Serial Number: Unassigned
Client Docket No.: MAXM-464
Attorney Docket No.: 20033-1195

paper desired by ASSIGNEE to obtain, perfect, or secure to ASSIGNEE any and all of the rights, titles and interests herein conveyed, and to maintain, enforce, and defend these rights, titles and interests in the United States and all foreign countries. INVENTOR further agrees to provide any successor, assign, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE herein.

INVENTOR represents that the INVENTOR, at the time of the execution of this Assignment, is the sole and lawful owner of the entire rights, titles and interests in and to the SUBJECT MATTER as set forth in the APPLICATION, and that the SUBJECT MATTER is unencumbered, and that the INVENTOR has good and full right and lawful authority to sell and convey the SUBJECT MATTER in the manner herein set forth.

INVENTOR covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license or other agreement affecting the rights, titles, and interests herein conveyed.

INVENTOR agrees to, and hereby acknowledges, that the ASSIGNEE may apply for and receive patents related to the APPLICATION or SUBJECT MATTER.

INVENTOR grants the attorney of record for the APPLICATION the power to insert on this Assignment any further identification, including the application number and filing date, which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment. Two inventor/assignor signature blocks are located on the following pages.

Title: Improved BAW Resonator Filter Bandwidth and Out-of-Band Frequency Rejection
Inventors: Carlton Stuebing and Guillaume Bouche
Filed: April 11, 2007
Serial Number: Unassigned
Client Docket No.: MAXM-464
Attorney Docket No.: 20033-1195

INVENTOR Name: Carlton Stuebing
INVENTOR Address: 13874 NW Greenwood Dr
Portland, OR 97229
Date of Signature: 4/10/07

Carlton Stuebing
[INVENTOR Signature]

Witnessed By:

Lisa Ripston
[Print Name]

[Signature]
[WITNESS Signature]

On 4/10/2007, before me Brad McCreary personally appeared
[Date] Carlton Stuebing [Notary Public]

Carlton Stuebing personally known to me or proved to me on the basis of
[INVENTOR]

satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledging to me that [he/she] executed the same in [his/her] authorized capacity, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument



[Signature]
Notary

Notary Seal

Title: Improved BAW Resonator Filter Bandwidth and Out-of-Band Frequency Rejection
Inventors: Carlton Stuebing and Guillaume Bouche
Filed: April 11, 2007
Serial Number: Unassigned
Client Docket No.: MAXM-464
Attorney Docket No.: 20033-1195

INVENTOR Name: Guillaume Bouche
INVENTOR Address: 2960 SW 122nd Ave
Beaverton, OR 97005
Date of Signature: 04/10/07

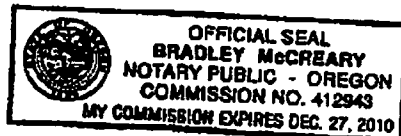
[Signature]
[INVENTOR Signature]

Witnessed By: Lisa Green
[Print Name]
[Signature]
[WITNESS Signature]

On 4/10/2007, before me Bradley McCreary personally appeared
[Date] [Notary Public]

Guillaume Bouche personally known to me or proved to me on the basis of
[INVENTOR]

satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledging to me that [he/she] executed the same in [his/her] authorized capacity, and that by [his/her] signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument



[Signature]
Notary

Notary Seal

{20033/1195/00003824.DOC v1}

4 of 4

RECORDED: 04/11/2007

PATENT
REEL: 019149 FRAME: 0076

PATENT
REEL: 039110 FRAME: 0288

EXHIBIT B

PATENT ASSIGNMENT AGREEMENT

WHEREAS, MAXIM INTEGRATED PRODUCTS, INC., having a place of business at 120 San Gabriel Drive, Sunnyvale, CA 94086 (hereinafter "Seller") is the sole and exclusive owner of certain United States and/or foreign patents and/or patent applications listed in Schedule A annexed hereto (collectively referred to as the "Patents"); and

WHEREAS TRIQUINT SEMICONDUCTOR, INC., having a place of business at 2300 NE Brookwood Parkway, Hillsboro, OR, 97124 (hereinafter "Purchaser") is desirous of acquiring the right, title and interest in, to and under the said Patents (and all foreign counterparts and related foreign patents).

Now, Therefore,

For good and valuable consideration, the receipt of which is hereby acknowledged, Seller does hereby sell, assign, transfer and set over to Purchaser, subject to existing encumbrances, the Patents aforesaid, and any inventions claimed in said Patent, any reissue or reissues of said Patents already granted and which may be granted, any certificates of reexamination already granted and which may be granted the same to be held and enjoyed by Purchaser for its own use and enjoyment, and for the use and enjoyment of its successors, assigns or other legal representatives, to the end of the term or terms for which said Patents are or may be granted, reissued or extended as fully and entirely as the same would have been held and enjoyed by Seller, if this assignment and sale had not been made; together with all claims for damages by reason of past, current, and future infringement and/or provisional rights under said Patents, with the right to sue for, and collect the same for its own use and behalf, and for the use and behalf of its successors, assigns or other legal representatives.

And, Seller, hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States on said inventions to Purchaser as assignee of the entire interest.

In Witness Whereof, Seller has executed this Assignment by its duly authorized representative.

By: MAXIM INTEGRATED PRODUCTS, INC.

Name: Mary A. Fuller

Signed: Mary A. Fuller

Title: Executive Director and
Associate General Counsel, IP

Date: October 26, 2010

TRIQUINT - MAXIM CONFIDENTIAL

State of California

County of Santa Clara

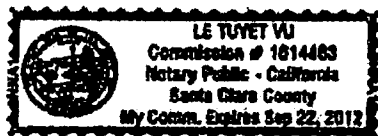
On this 26th day of October, 2010 before me personally appeared Maria R. Pulice, to me known to be the person described herein and who executed the foregoing instrument, and acknowledged that he executed the same knowingly and willingly and for the purposes therein contained.

Witness my hand and Notarial seal the day and year immediately above written.

[Signature] 10/26/2010

Notary Public

My Commission Expires: September 22, 2012



Matter Cluster Report

PATENT

PATENT

REEL: 039110 FRAME: 0291

CLASS	INVENTOR	INVENTOR ADDRESS	INVENTOR CITY	INVENTOR STATE	INVENTOR COUNTRY	INVENTOR PHONE	INVENTOR FAX	INVENTOR E-MAIL	INVENTOR FIRM	INVENTOR FIRM ADDRESS	INVENTOR FIRM CITY	INVENTOR FIRM STATE	INVENTOR FIRM COUNTRY	INVENTOR FIRM PHONE	INVENTOR FIRM FAX	INVENTOR FIRM E-MAIL	INVENTOR FIRM NAME
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene
3843-043	Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene	Anderson, Eugene	Anderson	Illinois	USA	618/555-1234			Anderson, Eugene

RECORDED: 09/26/2014

PATENT
REEL: 033828 FRAME: 0239

PATENT
REEL: 039110 FRAME: 0292

Delaware

The First State

Page 1

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"RF MICRO DEVICES, INC.", A NORTH CAROLINA CORPORATION, WITH AND INTO "TRIQUINT SEMICONDUCTOR, INC." UNDER THE NAME OF "QORVO US, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE ON THE FIFTH DAY OF APRIL, A.D. 2016, AT 2:05 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE SECOND DAY OF MAY, A.D. 2016 AT 12:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2667283 8100M
SR# 20162085825

You may verify this certificate online at corp.delaware.gov/authver.shtml

A handwritten signature in black ink, appearing to read "JBullock", is written over a horizontal line. Below the line, the text "Jeffrey W. Bullock, Secretary of State" is printed in a small font.

Authentication: 202097223
Date: 04-05-16

PATENT
REEL: 039110 FRAME: 0293

**CERTIFICATE OF MERGER
OF
RF MICRO DEVICES, INC.
INTO
TRIQUINT SEMICONDUCTOR, INC.**

**Under Sections 55-11-05(a) and 55-11-07(a) of the North Carolina General Statutes and
Section 252 of the General Corporation Law of the State of Delaware**

TriQuint Semiconductor, Inc. hereby certifies that:

1. The name and state of incorporation of each of the constituent corporations are:

(a) TriQuint Semiconductor, Inc., a Delaware corporation; and

(b) RF Micro Devices, Inc., a North Carolina corporation.

2. An Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with the provisions of Sections 55-11-01, 55-11-03, 55-11-05(a) and 55-11-07(a) of the North Carolina General Statutes and Section 252(c)(2) of the General Corporation Law of the State of Delaware.

3. The name of the surviving corporation is TriQuint Semiconductor, Inc.

4. The certificate of incorporation of the surviving corporation shall be amended by deleting Article I thereof and replacing such Article I with the following:

“The name of this Corporation is: Qorvo US, Inc.”

Other than the above-described amendment, the Certificate of Incorporation of the surviving entity shall be that of the surviving entity immediately following the merger in all respects.

5. The executed Agreement and Plan of Merger is on file at the surviving corporation's offices located at 2300 N.E. Brookwood Parkway, Hillsboro, Oregon 97124.
6. A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation, on request and without cost, to any stockholder of any constituent corporation.
7. RF Micro Devices, Inc. is authorized to issue 1,000 shares of common stock, no par value per share.
8. This Certificate of Merger shall be effective at 12:01 a.m., Eastern Time, on May 2, 2016.

IN WITNESS WHEREOF, TriQuint Semiconductor, Inc. has caused this certificate to be signed by an authorized officer on March 30, 2016.

TRIQUINT SEMICONDUCTOR, INC.

By: 

Robert A. Bruggeworth, President

[Signature Page to Certificate of Merger
(TriQuint Semiconductor, Inc./RF Micro Devices, Inc.)]