

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3885749

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ETA SEMICONDUCTOR INC.	05/19/2016
RECEIVING PARTY DATA	
Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 34	
Property Type	Number
Patent Number:	8773088
Patent Number:	8669591
Patent Number:	8629668
Patent Number:	8803242
Patent Number:	8786269
Patent Number:	8907644
Patent Number:	8835988
Patent Number:	8441231
Patent Number:	9214538
Patent Number:	8441770
Patent Number:	8779731
Patent Number:	8773102
Patent Number:	8498094
Patent Number:	8803288
Patent Number:	9214512
Patent Number:	8963289
Application Number:	14963400
Application Number:	12927853
Application Number:	14140337
Application Number:	13136333

Property Type	Number
Application Number:	61520041
Application Number:	12930497
Application Number:	12930239
Application Number:	61644070
Application Number:	61709907
Application Number:	61772461
Application Number:	61974951
Application Number:	14664878
Application Number:	14948302
PCT Number:	US2012037084
PCT Number:	US2012050867
PCT Number:	US2012045391
PCT Number:	US2014042663
PCT Number:	US2012033849

CORRESPONDENCE DATA

Fax Number:

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.

Email: btwalker@qualcomm.com
Correspondent Name: QUALCOMM INCORPORATED
Address Line 1: 5775 MOREHOUSE DRIVE
Address Line 4: SAN DIEGO, CALIFORNIA 92121

NAME OF SUBMITTER:	BRETT T. WALKER
SIGNATURE:	/Brett T. Walker/
DATE SIGNED:	05/23/2016

Total Attachments: 4

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PATENT ASSIGNMENT

WHEREAS, ETA Semiconductor Inc., a California corporation having a place of business located at 5775 Morehouse Drive, San Diego, CA 92121 (hereinafter "**ASSIGNOR**"), hereby represents and warrants that it is the sole and exclusive owner of all right, title, and interest in, to and under the Patent Items (as defined below).

WHEREAS, QUALCOMM Incorporated, a Delaware corporation, having a place of business located at 5775 Morehouse Drive, San Diego, California, 92121, U.S.A. (hereinafter "**ASSIGNEE**"), has agreed to acquire all right, title and interest in, to and under (i) the registered patents and patent applications identified in the Exhibit attached hereto (hereinafter the "**Exhibit 1**"), and all provisional applications relating thereto; (ii) all patents issuing on any patent applications identified in the Exhibit; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the "**Patent Items**").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, there parties hereto agree as follows:

ASSIGNOR does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, all right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any rights of priority based on or relating to the Patent Items.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to issue all patents for the Patent Items to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this Patent Assignment.

ASSIGNOR hereby sells, assigns, transfers, conveys and delivers to ASSIGNEE, its successors, legal representatives and assigns, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from the Patent Items or any violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNOR may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising before or after the date of this Patent Agreement, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.

ASSIGNOR hereby represents and warrants that it has full right, power and authority to sell, assign, transfer, convey and deliver all of the subject matter set forth herein, and hereby covenants and agrees that upon the written request of ASSIGNEE, ASSIGNOR will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories,

make diligent effort to find or reach every inventor of the Patent Items necessary or appropriate in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all necessary or appropriate signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection for the Patent Items on a worldwide basis in all countries. ASSIGNEE further covenants and agrees that it will wholly refrain from challenging the validity, enforceability or scope of the Patent Items, whether through opposition, reexamination and/or court proceedings.

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IN WITNESS WHEREOF, I hereunto set my hand this 19 day of May, 2016.

ETA SEMICONDUCTOR INC.

By: [Signature]

Printed Name: Adam P. Schwenker

Title: Secretary

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of San Diego)

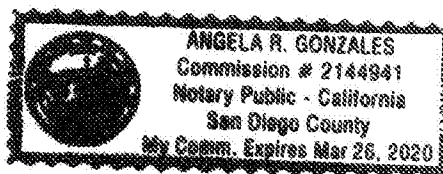
On May 19, 2016 before me, Angela R. Gonzales, Notary Public
(insert name and title of the officer)

personally appeared Adam Schwenker, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



IN WITNESS WHEREOF, acknowledged and accepted on this 19 day of May, 2016.

On Behalf of QUALCOMM Incorporated

[Signature]

Printed Name: Raymond B. Hom

Title: VP, Patent Counsel

EXHIBIT I

Docket No.	Jurisdiction	Application No.	Application Date	Patent No.	Grant Date
161590	US	14/963,400	12/9/2015		
161591	US	12/927,853	11/29/2010		
161591C1	US	14/140,337	12/24/2013		
161591WO	WO	PCT/US2012/037084	5/9/2012		
161592	US	13/332,918	12/21/2011	8,773,088	7/8/2014
161593	US	13/337,753	12/27/2011	8,669,591	3/11/2014
161594	US	13/200,049	9/19/2011	8,629,668	1/14/2014
161595	US	13/200,083	9/19/2011	8,803,242	8/12/2014
161596	US	13/136,733	8/10/2011	8,786,269	7/22/2014
161597	US	13/136,333	8/1/2011		
161598	US	13/135,701	7/14/2011	8,907,644	12/9/2014
161600	US	13/488,398	6/4/2012	8,835,988	9/16/2014
161600P1	US	61/520,041	6/6/2011		
161601	US	13/134,026	5/27/2011	8,441,231	5/14/2013
161602	US	13/068,573	5/16/2011	9,214,538	12/15/2015
161603	US	12/932,071	2/18/2011	8,441,770	5/14/2013
161603WO	WO	PCT/US2012/050867	8/15/2012		
161604	US	12/930,497	1/10/2011		
161605	US	12/930,498	1/10/2011	8,779,731	7/15/2014
161606	US	12/930,190	1/3/2011	8,773,102	7/8/2014
161606WO	WO	PCT/US2012/045391	7/3/2012		
161607	US	12/930,239	1/3/2011		
161607EP	EP	12779757.9	4/16/2012		
161607P1	US	61/644,070	5/8/2012		
161607P2	US	61/709,907	10/4/2012		
161607P3	US	61/772,461	3/4/2013		
161607P4	US	61/974,951	4/3/2014		
161607U2	US	13/068,161	5/5/2011	8,498,094	7/30/2013
161607U2B1	US	13/888,368	5/7/2013	8,803,288	8/12/2014
161607U2B1B1	US	14/456,184	8/11/2014	9,214,512	12/15/2015
161607U2B1B1B1	US	14/664,878	3/22/2015		
161607U2B1B1B1B1	US	14/948,302	11/21/2015		
161607U2B1WO	WO	PCT/US2014/042663	6/17/2014		
161607U3	US	13/889,317	5/7/2013	8,963,289	2/24/2015
161607WO	WO	PCT/US2012/033849	4/16/2012		

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RECORDED: 05/23/2016

REEL: 038689 FRAME: 0923