

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2592406

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>YOUNG KYU SONG</td> <td>10/02/2013</td> </tr> <tr> <td>DAEIK DANIEL KIM</td> <td>10/03/2013</td> </tr> <tr> <td>JONGHAE KIM</td> <td>10/07/2013</td> </tr> <tr> <td>XIAONAN ZHANG</td> <td>10/02/2013</td> </tr> <tr> <td>RYAN DAVID LANE</td> <td>10/03/2013</td> </tr> <tr> <td>MARIO FRANCISCO VELEZ</td> <td>10/07/2013</td> </tr> <tr> <td>CHENGJIE ZUO</td> <td>10/07/2013</td> </tr> <tr> <td>CHANGHAN HOBIE YUN</td> <td>10/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	YOUNG KYU SONG	10/02/2013	DAEIK DANIEL KIM	10/03/2013	JONGHAE KIM	10/07/2013	XIAONAN ZHANG	10/02/2013	RYAN DAVID LANE	10/03/2013	MARIO FRANCISCO VELEZ	10/07/2013	CHENGJIE ZUO	10/07/2013	CHANGHAN HOBIE YUN	10/07/2013
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RECEIVING PARTY DATA																			
Name:	QUALCOMM INCORPORATED																		
Street Address:	5775 MOREHOUSE DRIVE																		
City:	SAN DIEGO																		
State/Country:	CALIFORNIA																		
Postal Code:	92121-1714																		
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>14063934</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14063934														
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Application Number:	14063934																		
CORRESPONDENCE DATA																			
Fax Number:																			
Phone:	(949) 681-8161																		
Email:	qualcomm-pto@lozaip.com																		
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	LOZA & LOZA, LLP/QUALCOMM																		
Address Line 1:	305 N. SECOND AVE., #127																		
Address Line 4:	UPLAND, CALIFORNIA 91786																		

ATTORNEY DOCKET NUMBER:	QCOM-2256US (132294)
NAME OF SUBMITTER:	JULIO LOZA
Signature:	/Julio Loza/
Date:	10/25/2013
Total Attachments: 4 source=132294_ASST_2013_10_16_signed#page1.tif source=132294_ASST_2013_10_16_signed#page2.tif source=132294_ASST_2013_10_16_signed#page3.tif source=132294_ASST_2013_10_16_signed#page4.tif	

ASSIGNMENT

WHEREAS, WE,

1. **Young Kyu Song**, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,
2. **Daeik Daniel Kim**, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,
3. **Jonghae Kim** a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,
4. **Xiaonan Zhang**, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,
5. **Ryan David Lane**, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,
6. **Mario Francisco Velez**, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,
7. **Chengjie Zuo**, a citizen of China, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of Santee, California,
8. **Changhan Hobie Yun**, a citizen of the United States of America, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121-1714 and a resident of San Diego, California,

have conceived of one or more processes, methods, machines, articles of manufacture, designs, compositions of matter, inventions, discoveries or new or useful improvements relating to TOROID INDUCTOR IN AN INTEGRATED DEVICE (collectively the "INVENTIONS") for which WE have executed and/or may execute one or more patent applications therefor; and

WHEREAS, QUALCOMM Incorporated (hereinafter "ASSIGNEE"), a Delaware corporation, having a place of business at 5775 Morehouse Drive, San Diego, California 92121-1714, U.S.A., desires to acquire or otherwise obtain the entire right, title, and interest in and to said INVENTIONS, including all inventions related thereto or thereof, all patent applications therefor, and all patents that have granted or may be granted hereafter thereon, including but not limited to those identified below.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, WE do hereby acknowledge that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, the entire right, title, and interest throughout the world in and to said INVENTIONS, including all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in the United States, including but not limited to U.S. Application No. 14/063,934 filed October 25, 2013, Qualcomm Reference No. 132294, and all provisional applications relating thereto, (and do hereby authorize ASSIGNEE and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, and design applications thereof, and all issued patents of the United States which may have granted or may be granted hereafter thereon and all reissues, renewals, reexaminations, and extensions to any of the foregoing and all patents issuing thereon in the United States;

AND WE further do acknowledge and agree that WE have sold, assigned, conveyed, and transferred, and by these presents do hereby sell, assign, convey, and transfer, unto ASSIGNEE, its successors, its legal representatives, and its assigns, all rights of priority under International Conventions, Treaties, or Agreements, and the entire right, title, and interest throughout the world in said INVENTIONS, including all inventions related thereto or thereof, and all patent applications therefor that may have been filed or may be filed hereafter for said INVENTIONS in any foreign country, countries, or treaty/union organizations, and all divisional applications, renewal applications, continuation applications, continuation-in-part applications, patent of addition applications, confirmation applications, validation applications, utility model applications, and design applications thereof, and all issued patents which may have granted or may be granted hereafter for said INVENTIONS in any country or countries foreign to the United States, and all reissues, renewals, reexaminations, and extensions thereof;

AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors, its legal representatives and its assigns, in accordance with the terms of this instrument;

AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date of assignment to said ASSIGNEE, or may accrue hereafter, including, but not limited to the right to sue for, seek, obtain, collect, recover, and retain damages and any ongoing or prospective royalties to which WE may be entitled, or that WE may collect for any infringement or from any settlement or agreement related to any of said patents before or after issuance;

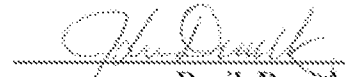
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us

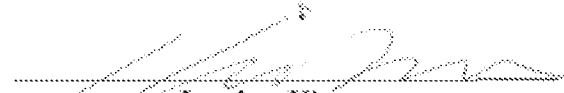
respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, make all rightful declarations and/or oaths, and provide all lawful assistance to said ASSIGNEE, its successors, its legal representatives and its assigns, to obtain and enforce patent protection for said INVENTIONS in all countries;

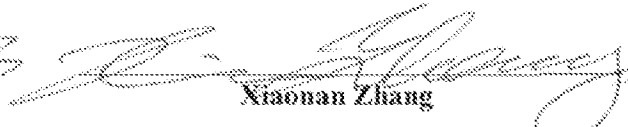
AND WE HEREBY covenant that WE will not execute any writing or do any act whatsoever conflicting with these presents.

Done at San Diego, on 10/2/13
LOCATION DATE


Young Kyu Song

Done at San Diego, on 10/3/13
LOCATION DATE

Daeik Daniel Kim

Done at San Diego, on 10/1/13
LOCATION DATE

Jonghae Kim

Done at San Diego, on 10/2/13
LOCATION DATE

Xiaonan Zhang

Done at _____, on _____
LOCATION DATE
Ryan David Lane

Done at San Diego, on 10/7/13
LOCATION DATE

Mario Francisco Velez

Done at San Diego, on 10/7/13
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Chengjie Zuo

Done at San Diego, on 10/7/13
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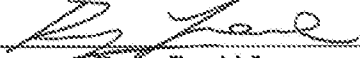
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Done at _____, on _____
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