

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>CHENGJIE ZUO</td> <td>09/27/2013</td> </tr> <tr> <td>JONGHAE KIM</td> <td>09/27/2013</td> </tr> <tr> <td>DAEIK DANIEL KIM</td> <td>09/27/2013</td> </tr> <tr> <td>MARIO FRANCISCO VELEZ</td> <td>09/27/2013</td> </tr> <tr> <td>CHANGHAN HOBIE YUN</td> <td>09/27/2013</td> </tr> <tr> <td>JE-HSIUNG LAN</td> <td>09/27/2013</td> </tr> <tr> <td>ROBERT PAUL MIKULKA</td> <td>09/30/2013</td> </tr> <tr> <td>MATTHEW MICHAEL NOWAK</td> <td>09/27/2013</td> </tr> </tbody> </table>		Name	Execution Date	CHENGJIE ZUO	09/27/2013	JONGHAE KIM	09/27/2013	DAEIK DANIEL KIM	09/27/2013	MARIO FRANCISCO VELEZ	09/27/2013	CHANGHAN HOBIE YUN	09/27/2013	JE-HSIUNG LAN	09/27/2013	ROBERT PAUL MIKULKA	09/30/2013	MATTHEW MICHAEL NOWAK	09/27/2013
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<table border="1"> <tr> <td>Name:</td> <td>QUALCOMM INCORPORATED</td> </tr> <tr> <td>Street Address:</td> <td>5775 MOREHOUSE DRIVE</td> </tr> <tr> <td>City:</td> <td>SAN DIEGO</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	QUALCOMM INCORPORATED	Street Address:	5775 MOREHOUSE DRIVE	City:	SAN DIEGO	State/Country:	CALIFORNIA	Postal Code:	92121								
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PROPERTY NUMBERS Total: 1																			
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CORRESPONDENCE DATA																			
<p>Fax Number:</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 919-238-2300</p> <p>Email: patents@wt-ip.com</p> <p>Correspondent Name: W&T/QUALCOMM</p> <p>Address Line 1: 100 REGENCY FOREST DRIVE</p> <p>Address Line 2: SUITE 160</p> <p>Address Line 4: CARY, NORTH CAROLINA 27518</p>																			

OP \$40.00 14019821

ATTORNEY DOCKET NUMBER:	1173-107
NAME OF SUBMITTER:	STEVEN N. TERRANOVA
Signature:	/Steven N. Terranova/
Date:	10/03/2013
<p>Total Attachments: 8</p> <p>source=132169_ASST_2013_10_01_signed#page1.tif</p> <p>source=132169_ASST_2013_10_01_signed#page2.tif</p> <p>source=132169_ASST_2013_10_01_signed#page3.tif</p> <p>source=132169_ASST_2013_10_01_signed#page4.tif</p> <p>source=132169_ASST_2013_10_01_signed#page5.tif</p> <p>source=132169_ASST_2013_10_01_signed#page6.tif</p> <p>source=132169_ASST_2013_10_01_signed#page7.tif</p> <p>source=132169_ASST_2013_10_01_signed#page8.tif</p>	

ASSIGNMENT

WHEREAS, WE,

1. **Chengjie Zuo**, a citizen of China, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Santee, California,
2. **Jonghae Kim**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
3. **Daeik Daniel Kim**, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
4. **Mario Francisco Velez**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
5. **Changhan Hobie Yun**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
6. **Je-Hsiung Lan**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Diego, California,
7. **Robert Paul Mikulka**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Oceanside, California,
8. **Matthew Michael Nowak**, a citizen of the United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 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 SYSTEMS FOR REDUCING MAGNETIC COUPLING IN INTEGRATED CIRCUITS (ICS) AND RELATED COMPONENTS AND METHODS (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(s). 14/019,821 filed September 6, 2013, Qualcomm Reference No. 132169, and all provisional applications relating thereto, together with U.S. Provisional Application No. 61/830,718, filed June 4, 2013, Qualcomm Reference No. 132169P1, (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;

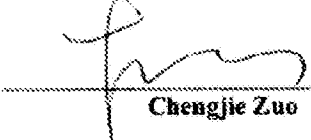
AND WE DO HEREBY authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications or registrations, to issue all patents for said INVENTIONS to said ASSIGNEE, its successors,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

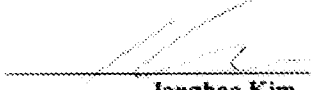
AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby that have or may have accrued prior to the date 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;

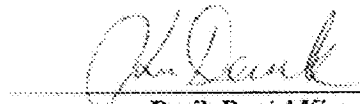
AND WE HEREBY covenant and agree that WE will communicate promptly to said ASSIGNEE, its successors, its legal representatives, and its assigns, any facts known to us respecting said INVENTIONS, and will testify in any legal proceeding, sign all lawful papers, execute all applications and certificates, 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 9/27/13
LOCATION DATE

Chengjie Zuo

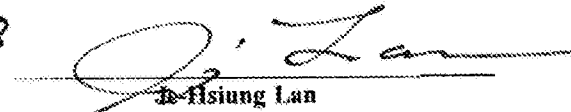
Done at San Diego, on 9/27/13
LOCATION DATE

Jonghae Kim

Done at San Diego, on 9/27/2013
LOCATION DATE

Daeik Daniel Kim

Done at San Diego, on 9/27/2013
LOCATION DATE

Mario Francisco Velez

Done at San Diego, on 9/27/13
LOCATION DATE

Changhan Hobie Yun

Done at San Diego, on 9/27/2013
LOCATION DATE

Je-Hsiung Lan

Done at _____, on _____
LOCATION DATE
Robert Paul Mikulka

PATENT

QUALCOMM Ref. No. 132169

Page 4 of 4

Done at San Diego, on 27 Sept 2013
LOCATION DATE

Matthew Michael Nowak
Matthew Michael Nowak

PATENT

REEL: 031336 FRAME: 0494

ASSIGNMENT

WHEREAS, WE,

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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 SYSTEMS FOR REDUCING MAGNETIC COUPLING IN INTEGRATED CIRCUITS (ICS) AND RELATED COMPONENTS AND METHODS (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(s). 14/019,821 filed September 6, 2013, Qualcomm Reference No. 132169, and all provisional applications relating thereto, together with U.S. Provisional Application No. 61/830,718, filed June 4, 2013, Qualcomm Reference No. 132169P1, (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;

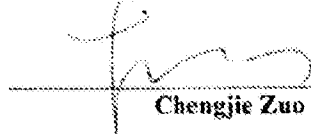
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AND WE DO HEREBY sell, assign, transfer, and convey to said ASSIGNEE, its successors, its legal representatives, and its assigns all claims for damages and all remedies arising out of or relating to any violation(s) of any of the rights assigned hereby 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 9/27/13
LOCATION DATE

Chengjie Zuo


Done at San Diego, on 7/20/13
LOCATION DATE

Jonghae Kim

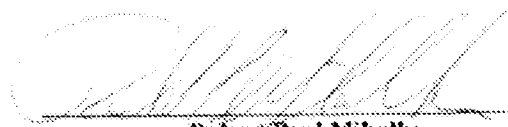
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Daeik Daniel Kim

Done at San Diego, on 9/27/2013
LOCATION DATE

Mario Francisco Velez

Done at San Diego, on 9/27/13
LOCATION DATE

Changhan Hobie Yun

Done at _____, on _____
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Je-Hsiung Lan

Done at SAN DIEGO, on 9/30/13
LOCATION DATE

Robert Paul Mikulka

PATENT

QUALCOMM Ref. No. 132169

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