PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2597901

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN MICHAEL WYRWAS	10/10/2013
PAUL ERIC JACOBS	10/24/2013
EVGENI PETROVICH GOUSEV	10/10/2013
RUSSELL WAYNE GRUHLKE	10/10/2013
CHUNG-PO HUANG	10/14/2013
HAE-JONG SEO	10/10/2013
XIQUAN CUI	10/10/2013
JACEK MAITAN	10/14/2013

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

Property Type	Number
Application Number:	14034374

CORRESPONDENCE DATA

Fax Number: (510)663-0920 **Phone**: 5106631100

Email: nazadimani@wavsip.com

Correspondence will be sent via US Mail when the email attempt is unsuccessful.

Correspondent Name: WEAVER AUSTIN VILLENEUVE & SAMPSON LLP

Address Line 1: 555 12TH STREET, SUITE 1700
Address Line 4: OAKLAND, CALIFORNIA 94607

PATENT

REEL: 031514 FRAME: 0467

ATTORNEY DOCKET NUMBER:	QUALP203	
NAME OF SUBMITTER:	MICHAEL L. DAY	
Signature: /Michael L. Day/		
Date:	10/30/2013	
Total Attachments: 6 source=131566_QUALP203_Executed_Assignment_as_Filed_Oct_30_2013#page1.tif source=131566_QUALP203_Executed_Assignment_as_Filed_Oct_30_2013#page2.tif source=131566_QUALP203_Executed_Assignment_as_Filed_Oct_30_2013#page3.tif source=131566_QUALP203_Executed_Assignment_as_Filed_Oct_30_2013#page4.tif source=131566_QUALP203_Executed_Assignment_as_Filed_Oct_30_2013#page5.tif source=131566_QUALP203_Executed_Assignment_as_Filed_Oct_30_2013#page6.tif		

ASSIGNMENT

WHEREAS, WE,

- 1. **John Michael Wyrwas**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Berkeley, CA,
- 2. **Paul Eric Jacobs**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of La Jolla, CA,
- 3. **Evgeni Petrovich Gousev,** a citizen of Russia, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Saratoga, CA,
- 4. **Russell Wayne Gruhlke**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Milpitas, CA,
- 5. **Chung-Po Huang**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Jose, CA,
- 6. **Hae-Jong Seo**, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Jose, CA,
- 7. **Xiquan Cui**, a citizen of Republic of China, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Jose, CA,
- 8. Jacek Maitan, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Mountain View, CA,

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 INTEGRATION OF A LIGHT COLLECTION LIGHT-GUIDE WITH A FIELD SEQUENTIAL COLOR DISPLAY (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). 14/034,374 filed September 23, 2013, Qualcomm Reference No. 131566, 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 Santa Clara, CA, on 10/10/2013 Jh. Medical Nymous John Michael Wyrwas Done at ______, on _____ Paul Eric Jacobs Done at Soula Uaga, on 10/10/2013 Evalui Eva Done at Santa Clara, Ca, on 16/10/2013 Russell Wayne Gruhlke

DATE

Russell Wayne Gruhlke Done at Santa Clara, on 10/14/2013 Done at Santa (Mra, on 10/10/2013 Hae-Jong Seo Done at Some Care, on 10/0/2013 Miquan Cui Done at Joseph Classe, on 10/4/ 700 DATE

ASSIGNMENT

WHEREAS, WE,

- 1. **John Michael Wyrwas**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Berkeley, CA,
- 2. **Paul Eric Jacobs**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of La Jolla, CA,
- 3. **Evgeni Petrovich Gousev**, a citizen of Russia, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Saratoga, CA,
- 4. Russell Wayne Gruhlke, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Milpitas, CA,
- 5. **Chung-Po Huang**, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Jose, CA,
- 6. **Hae-Jong Seo**, a citizen of Korea, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Jose, CA,
- 7. **Xiquan Cui**, a citizen of Republic of China, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of San Jose, CA,
- 8. Jacek Maitan, a citizen of United States, having a mailing address located at 5775 Morehouse Drive, San Diego, CA 92121 and a resident of Mountain View, CA,

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 INTEGRATION OF A LIGHT COLLECTION LIGHT-GUIDE WITH A FIELD SEQUENTIAL COLOR DISPLAY (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). 14/034,374 filed September 23, 2013, Qualcomm Reference No. 131566, 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;

PATENT QUALCOMM Ret. No. 131566 Page 3 of 3

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

Done at		, on	
	LOCATION	_, onDATE	John Michael Wyrwas
Than ar	Can Diana CA		Paul Eric Jacobs
Done at "	San Diego, CA	ON MERCHANICAL COMMANDS	Paul Eric Jacobs
	200000 1000	LOCK IS	i din Ente vacios
Done at_		_, on	
	LOCATION	DATE	Evgeni Petrovich Gousev
Done at		s ôn	
	LOCATION	DATE	Russell Wayne Grubike
Done at		on	
and the same of	LOCATION	on	Chung-Po Huang
Done at		, on	
	LOCATION	onDATE	Hac-Jong Sco
Thems at		an	
	LOCATION	DATE	Xiquan Cui
Done at_		_, on	
	LOCATION	DATE	Jacek Maitan

PATENT REEL: 031514 FRAME: 0474

RECORDED: 10/30/2013