Unit	ed States Paten	T AND TRADEMARK OFFICE	UNITED STATES DEPAR United States Patent and Address: COMMISSIONER I P.O. Box 1450 Alexandria, Virginia 22 www.uspto.gov	FOR PATENTS
APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
13/590,423	08/21/2012	Aleksandar Modrag Tasic	121973	9482
23696 7590 08/01/2014 QUALCOMM INCORPORATED			EXAMINER	
5775 MOREHOUSE DR.			TRAN, KHANH C	
SAN DIEGO, CA 92121			ART UNIT	PAPER NUMBER
			2631	
			NOTIFICATION DATE	DELIVERY MODE
			08/01/2014	ELECTRONIC

#### Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

us-docketing@qualcomm.com

Page 1

	- Y IS SET TO EXPIRE <u>3</u> MONTHS 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	S FROM THE	
A SHORTENED STATUTORY PERIOD FOR REPL         HIS COMMUNICATION.         - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.         - If NO period for reply is specified above, the maximum statutory period         - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).         Status         1) ■ Responsive to communication(s) filed on ■ A declaration(s)/affidavit(s) under 37 CFR 1.         2a) ■ This action is FINAL.       2b) ■ Thi:         3) ■ An election was made by the applicant in resp ; the restriction requirement and election         4) ■ Since this application is in condition for alloward closed in accordance with the practice under         Disposition of Claims*         5) ■ Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdra         6) ■ Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are rejected         8) ■ Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object         9) ■ Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object         9) ■ Claim(s) determined allowable, you may be earticipating intellectual property office for the corresponding attp://www.uspto.gov/patents/init_events/pph/index.jsp or sent	- Y IS SET TO EXPIRE <u>3</u> MONTHS 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	S FROM THE	
<ul> <li>HIS COMMUNICATION.</li> <li>Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication.</li> <li>If NO period for reply is specified above, the maximum statutory period</li> <li>Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).</li> <li>Status <ol> <li>A declaration(s)/affidavit(s) under 37 CFR 1.</li> <li>A declaration(s)/affidavit(s) under 37 CFR 1.</li> </ol> </li> <li>2a) This action is FINAL. 2b) This 3) An election was made by the applicant in resp; the restriction requirement and election 4) Since this application is in condition for alloward closed in accordance with the practice under 5a) Of the above claim(s) is/are withdra 6) Claim(s) <u>1.120</u> is/are pending in the application 5a) Of the above claim(s) is/are rejected 8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object of any claims have been determined <u>allowable</u>, you may be carticipating intellectual property office for the corresponding at the provide attricipating intellectual property office for the corresponding at the provide of the application is the provide of the application and/office for the corresponding at the provide of the application is any claim for the provide office for the corresponding at the provide of the application and/office for the corresponding at the provide of the provide office for the corresponding at the provide of the apple of the application is of the apple of the application and/office for the corresponding at the provide office for the corresponding at the provide of the provide office for the corresponding at the provide office for the corresponding at the provide office for the corresponding at the provide office for the corresponding at</li></ul>	136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	nely filed	
<ul> <li>1) Responsive to communication(s) filed on A declaration(s)/affidavit(s) under 37 CFR 1.</li> <li>2a) This action is FINAL. 2b) This 3) An election was made by the applicant in resp ; the restriction requirement and election 4) Since this application is in condition for alloward closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdration 5a) Of the above claim(s) is/are rejected 8) Claim(s) <u>1.11,12,14,17 and 19</u> is/are rejected 8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object 9) Claim(s) are subject to restriction and/of If any claims have been determined <u>allowable</u>, you may be exarticipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentered</li> </ul>		D (35 U.S.C. § 133	this communication.
<ul> <li>A declaration(s)/affidavit(s) under <b>37 CFR 1</b>.</li> <li>2a) This action is <b>FINAL</b>. 2b) X This</li> <li>3) An election was made by the applicant in resp.</li> <li>; the restriction requirement and election</li> <li>4) Since this application is in condition for alloward closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application</li> <li>5) Claim(s) <u>1-20</u> is/are allowed.</li> <li>7) Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) <u>are subject to restriction and/or are are subject to restriction and/or are are articipating intellectual property office for the corresponding articipating intellectual property</u></li></ul>			
<ul> <li>2a) This action is FINAL. 2b) This</li> <li>3) An election was made by the applicant in resp; the restriction requirement and election</li> <li>4) Since this application is in condition for alloward closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdrate</li> <li>6) Claim(s) <u>1.11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) are subject to restriction and/or and the application and/or and the apple of the above been determined allowable, you may be exarticipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentents/</li> </ul>			
<ul> <li>3) An election was made by the applicant in resp.</li> <li>; the restriction requirement and election</li> <li>4) Since this application is in condition for allowated closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdrated by Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) are subject to restriction and/or for allowable, you may be earticipating intellectual property office for the corresponding at the property office for the corresponding and the property office for the corresponding at the property of</li></ul>	<b>130(b)</b> was/were filed on		
<ul> <li>; the restriction requirement and election</li> <li>4) Since this application is in condition for allowation closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdration</li> <li>6) Claim(s) is/are allowed.</li> <li>7) Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) are subject to restriction and/or any claims have been determined allowable, you may be exarticipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentents/</li> </ul>	s action is non-final.		
<ul> <li>4) Since this application is in condition for allowat closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdrates</li> <li>6) Claim(s) is/are allowed.</li> <li>7) Claim(s) <u>1.11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) are subject to restriction and/of</li> <li>If any claims have been determined <u>allowable</u>, you may be exarticipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentents/</li> </ul>			ig the interview on
<ul> <li>closed in accordance with the practice under</li> <li>Disposition of Claims*</li> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdra</li> <li>6) Claim(s) is/are allowed.</li> <li>7) Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) are subject to restriction and/or</li> <li>If any claims have been determined <u>allowable</u>, you may be a articipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentents/</li> </ul>	·		
<ul> <li>5) Claim(s) <u>1-20</u> is/are pending in the application 5a) Of the above claim(s) is/are withdra 6) Claim(s) is/are allowed.</li> <li>7) Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected 8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object 9) Claim(s) are subject to restriction and/o If any claims have been determined <u>allowable</u>, you may be e articipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentence.</li> </ul>			o the merits is
5a) Of the above claim(s) is/are withdra 6) □ Claim(s) is/are allowed. 7) ⊠ Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected 8) ⊠ Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object 9) □ Claim(s) are subject to restriction and/or If any claims have been determined <u>allowable</u> , you may be a articipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sen			
<ul> <li>6) Claim(s) is/are allowed.</li> <li>7) Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected</li> <li>8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object</li> <li>9) Claim(s) are subject to restriction and/or lif any claims have been determined <u>allowable</u>, you may be exarticipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sentents/</li> </ul>	۱.		
7) Claim(s) <u>1,11,12,14,17 and 19</u> is/are rejected 8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object 9) Claim(s) <u></u> are subject to restriction and/o If any claims have been determined <u>allowable</u> , you may be e articipating intellectual property office for the corresponding a <u>ttp://www.uspto.gov/patents/init_events/pph/index.jsp</u> or sen	awn from consideration.		
8) Claim(s) <u>2-10,13,15,16,18 and 20</u> is/are object 9) Claim(s) <u>are subject to restriction and/o</u> If any claims have been determined <u>allowable</u> , you may be a articipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sen			
9) Claim(s) are subject to restriction and/o If any claims have been determined <u>allowable</u> , you may be e articipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sen			
If any claims have been determined <u>allowable</u> , you may be a articipating intellectual property office for the corresponding a <u>ttp://www.uspto.gov/patents/init_events/pph/index.jsp</u> or sen			
articipating intellectual property office for the corresponding a ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sen			
ttp://www.uspto.gov/patents/init_events/pph/index.jsp or sen			way program at a
philostion Papers			
10) The specification is objected to by the Examin	er.		
11) The drawing(s) filed on $\underline{8/21/2012}$ is/are: a)		he Examiner.	
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the correct			
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C. & 119(a)	(d) or $(f)$	
Certified copies:			
a) All b) Some** c) None of the:			
1. Certified copies of the priority documer	nts have been received		
2. Certified copies of the priority document		ion No.	
3. Copies of the certified copies of the pri			
application from the International Burea	-		
* See the attached detailed Office action for a list of the certif			
<b>.ttachment(s)</b> )	3) 🔲 Interview Summary		
	3) L Interview Summarv		
N Information Disclosure Statement(s) (PTO/SR/08a and/or PTO	Bapar Na(a)/Mail D	ate	
OCKET	Bapar Na(a)/Mail D	ate	
	Bapar Na(a)/Mail D	ate	

#### **DETAILED ACTION**

1. The present application is being examined under the pre-AIA first to invent

provisions.

2. The RCE filed 7/17/2014 has been entered. Claims 1-20 are still pending in

this Office action.

### Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of pre-AIA 35 U.S.C.

102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 11-12, 14 and 17 are rejected under pre-AIA 35 U.S.C. 102(e) as

being anticipated by Kaukovuori et al. U.S. Patent 8,442,473.

Regarding claim 1, Kaukovuori et al. discloses an apparatus (FIG. 15

embodiment) comprising:

a first amplifier stage configured to receive and amplify an input radio frequency

(RF) signal and provide a first output RF signal to a first load circuit when the first

amplifier stage is enabled, the input RF signal employing carrier aggregation comprising

transmissions sent on multiple carriers at different frequencies to a wireless device, the

**A R M** Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

Application/Control Number: 13/590,423 Art Unit: 2631

OCKE

first output RF signal including at least a first carrier of the multiple carriers (Kaukovuori et al. teaches *a method of receiving data* transmitted via a combination of at least a plurality of radio frequency signals *using carrier aggregation* (see column 2 lines 44-49). FIG. 15 discloses a Radio Frequency Integrated Circuit (RFIC1) 1 including first amplifier stage LNA to provide a first output RF signal to a digital data path. The two clusters are each received with different bandwidth filter (see column 10, lines 22-53).

and a second amplifier stage configured to receive and amplify the input RF signal and provide a second output RF signal to a second load circuit when the second amplifier stage is enabled, the second output RF signal including at least a second carrier of the multiple carriers different than the first carrier (similarly, FIG. 15 further discloses a Radio Frequency Integrated Circuit (RFIC1) 1 including second amplifier stage LNA to provide a second output RF signal to a digital data path. The two clusters are each received with different bandwidth filter (see column 10, lines 22-53)).

Regarding claim 11, Kaukovuori et al. further discloses an input matching circuit coupled to the first and second amplifier stages and configured to receive a receiver input signal and provide the input RF signal (FIG. 15 discloses an RF FEM coupled to the RFIC1 and RFIC2 and configured to provide an RF input (see column 10 lines 25-35).

Regarding claim 12, Kaukovuori et al. further discloses the input matching circuit being tunable and comprising at least one adjustable circuit component (FIG. 15

Application/Control Number: 13/590,423 Art Unit: 2631

discloses an RF FEM configured to split the RF input signal (see column 10 lines 25-35).

Regarding claim 14, Kaukovuori et al. further discloses the first amplifier stage configured to receive and amplify the input RF signal and provide the first output RF signal to the first load circuit when the first amplifier stage is enabled (as recited in claim 1 rejection, FIG. 15 discloses a Radio Frequency Integrated Circuit (RFIC1) 1 including first amplifier stage LNA to provide a first output RF signal to a digital data path. The two clusters are each received with different bandwidth filter (see column 10, lines 22-53)).

and the second amplifier stage configured to receive and amplify the input RF signal and provide the second output RF signal to the second load circuit when the second amplifier stage is enabled (similarly, FIG. 15 further discloses a Radio Frequency Integrated Circuit (RFIC1) 1 including second amplifier stage LNA to provide a second output RF signal to a digital data path. The two clusters are each received with different bandwidth filter (see column 10, lines 22-53))

<u>Note</u>: the rejection is based on *the input RF signal (not a second input RF signal)*.

Regarding claim 17, claim is rejected on the same ground as for claim 1 because of similar scope.

# DOCKET A L A R M



# Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

# **Real-Time Litigation Alerts**



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

# **Advanced Docket Research**



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

# **Analytics At Your Fingertips**



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

# API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

#### LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

#### FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

## E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.