	ED STATES PATEN	UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov		
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 11/14/2013 QUALCOMM INCORPORATED 5775 MOREHOUSE DR.			EXAMINER TRAN, KHANH C	
SAN DIEGO, O	CA 92121		ART UNIT	PAPER NUMBER
			2631	<u> </u>
			NOTIFICATION DATE	DELIVERY MODE
			11/14/2013 E	ELECTRONICELECTRONIC

#### 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):

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Office Action Summary         Examiner (HANH G. TRAN         At Unit 2631         At Grint Inventor to Fill No.           - The MAILING DATE of this communication appears on the cover sheet with the correspondence address -           Period for Reply           A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.           - The MAILING the reply searchade and the providence of 27 1, 156(a). In current, however, may not be first yield           - MODE of the reply searchade and the mether mether. The communication search the result of the replication of the repli		Application No. 13/590,423		Applicant(s) TASIC ET AL.			
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2a)       This action is FINAL.       2b)⊠ This action is non-final.         3)       An election was made by the applicant in response to a restriction requirement set forth during the interview on							
<ul> <li>3) An election was made by the applicant in response to a restriction requirement set forth during the interview on; the restriction requirement and election have been incorporated into this action.</li> <li>4) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i>, 1935 C.D. 11, 453 O.G. 213.</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 is/are pending in the application. 5a) Of the above claim(s) is/are withdrawn from consideration.</li> <li>6) Claim(s) <u>1.7.17 and 19</u> is/are rejected.</li> <li>8) Claim(s) <u>1.7.17 and 19</u> is/are rejected.</li> <li>8) Claim(s) <u>2-6.8-16,18 and 20</u> is/are objected to.</li> <li>9) Claim(s) <u>1.7.17 and 19</u> is/are rejected.</li> <li>* If any claims have been determined allowable, you may be eligible to benefit from the <b>Patent Prosecution Highway</b> program at a participating intellectual property office for the corresponding application. For more information, please see <a href="http://www.uspto.gov/patents/init_events/pph/index.jsp">http://www.uspto.gov/patents/init_events/pph/index.jsp</a> or send an inquiry to <u>PPHfeedback@uspto.gov</u>.</li> </ul> Application Papers <ul> <li>10) The specification is objected to by the Examiner.</li> <li>11) The drawing(s) filed on <u>8/21/2012</u> is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). Priority under 35 U.S.C. § 119 <ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>Certified copies:</li> <li>a) All b) Some * c) None of the:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received.</li> <li>2</li></ul></li></ul>							
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Attachment(s) 1) X Notice of References Cited (PTO-892) 3) Interview Summary (PTO-413)			n/ (DTO 440)				
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## **DETAILED ACTION**

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

provisions.

## Claim Rejections - 35 USC § 103

The following is a quotation of pre-AIA 35 U.S.C. 103(a) which forms the basis

for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in Graham v. John Deere Co., 383 U.S. 1, 148

USPQ 459 (1966), that are applied for establishing a background for determining

obviousness under pre-AIA 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating

obviousness or nonobviousness.

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2. Claims 1, 7, 17 and 19 are rejected under pre-AIA 35 U.S.C. 103(a) as being

unpatentable over Eisenhut et al. U.S. Patent 7,751,513 B2.

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

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Regarding claim 1, Eisenhut et al. discloses an apparatus (see FIG. 1) 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 (signal path 6 including an amplifier and an analog/digital conversion; column 5 lines 27-35. Eisenhut et al. further discloses the two signal paths 6 and 7 can be individually activated or disconnected by a corresponding activation signal at their associated inputs 62 and 72. The signal paths 6 and 7 can thus both be active, both be disconnected, or one of them be active and the other be disconnected; column 5 lines 20-23);

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 (signal path 7 including an amplifier and an analog/digital conversion; column 5 lines 27-35. Eisenhut et al. further discloses the two signal paths 6 and 7 can be individually activated or disconnected by a corresponding activation signal at their associated inputs 62 and 72. The signal paths 6 and 7 can thus both be active, both be disconnected, or one of them be active and the other be disconnected; column 5 lines 20-23).

Eisenhut et al. differs from the application claim in that Eisenhut et al. does not discloses the input RF signal comprising transmissions sent on multiple carriers at different frequencies to a wireless device as set forth in the application claim. Application/Control Number: 13/590,423 Art Unit: 2631

Because the application claim recites the signal input being an input RF signal, therefore, it would have been obvious for one of ordinary skill in the art at the time the invention was made that one recognizes Eisenhut et al. would apply to the input RF signal as claimed.

Regarding claim 7, Eisenhut et al. further discloses a feedback circuit coupled between an output and an input of at least one of the first and second amplifier stages (FIG. 1 discloses a feedback circuit).

### Allowable Subject Matter

3. Claims 2-6, 8-16, 18 and 20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Thomsen et al. U.S. Patent 6,249,687 B1.

Yates U.S. Patent 7,039,377 B1.

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