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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,	CA 92121		ART UNIT	PAPER NUMBER
			2631	
			NOTIFICATION DATE	DELIVERY MODE
			11/14/2013 E	LECTRONICELECTR

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

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	Application No. 13/590,423		Applicant(s) TASIC ET AL.	
Office Action Summary	Examiner KHANH C. TRAN	Art Unit 2631	AIA (First Inventor to File) Status No	
The MAILING DATE of this communication ap Period for Reply				
 A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING I 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 statu Any reply received by the Office later than three months after the maili earned patent term adjustment. See 37 CFR 1.704(b). 	DATE OF THIS COMMUNICATIO .136(a). In no event, however, may a reply be d will apply and will expire SIX (6) MONTHS fro te, cause the application to become ABANDON	DN. timely filed om the mailing date of NED (35 U.S.C. § 13	f this communication.	
Status 1) Responsive to communication(s) filed on <u>8/2</u> ☐ A declaration(s)/affidavit(s) under 37 CFR 1				
		-		
	is action is non-final.			
3) An election was made by the applicant in res			ng the interview on	
the restriction requirement and election;	•			
4) Since this application is in condition for allowation closed in accordance with the practice under			to the merits is	
Disposition of Claims				
5) Claim(s) <u>1-20</u> is/are pending in the application	n.			
5a) Of the above claim(s) is/are withdra	awn from consideration.			
6) Claim(s) is/are allowed.				
7) Claim(s) <u>1,7,17 and 19</u> is/are rejected.				
8) Claim(s) 2-6,8-16,18 and 20 is/are objected to	0.			
9) Claim(s) are subject to restriction and/				
* If any claims have been determined allowable, you may be	•	osecution High	way program at a	
participating intellectual property office for the corresponding	-	-	21 0	
http://www.uspto.gov/patents/init_events/pph/index.jsp or sen				
Application Papers				
10) The specification is objected to by the Examin				
11) The drawing(s) filed on <u>$8/21/2012$</u> is/are: a)				
Applicant may not request that any objection to the				
Replacement drawing sheet(s) including the corre-	ction is required if the drawing(s) is c	bjected to. See	37 CFR 1.121(d).	
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for foreig	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 docume	nts have been received			
2. Certified copies of the priority docume		ation No		
3. Copies of the certified copies of the pr	-	ived in this war	lional Slage	
application from the International Burea				
* See the attached detailed Office action for a list of	or the certified copies not received.			
Attachment(s) 1) X Notice of References Cited (PTO-892)				
	3) 🔲 Interview Summa Paper No(s)/Mail			
P) X Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail	Dale		
OCKET				
	ocuments without watermarks at			

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

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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