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(54) **Title:** RADIO FREQUENCY (RF) SIGNAL GENERATOR AND METHOD FOR PROVIDING TEST SIGNALS FOR TESTING MULTIPLE RF SIGNAL RECEIVERS

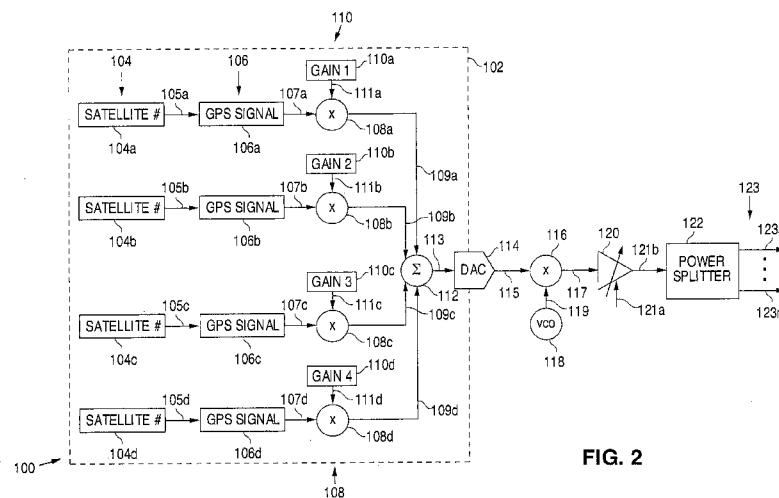


FIG. 2

(57) **Abstract:** A test signal interface and method for allowing sharing of multiple test signal generators among multiple devices under test (DUTs). Digital baseband test signals generated by the multiple test signal generators are combined and converted to a baseband analog signal for conversion to a radio frequency (RF) signal for testing the multiple DUTs.

## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2009/063068****A. CLASSIFICATION OF SUBJECT MATTER***G01R 31/3183(2006.01)i, G01R 31/02(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

G01R 31/3183; H03K 7/06; H04B 1/10; H04B 1/69; H04B 1/707; H04B 17/00; H04L 5/16

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords:Signal generator, RF signal receiver, Digital base band signal, Analog base band signal, Gain control, Digital-to-analog converter. Up converter, Down converter,

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003-0228845 A1 (QINGQUAN PENG et al.) 11 December 2003 See abstract, paragraph[0030] - paragraph[0034]; figures 1,2 and claim 11	1-19
A	US 2003-0012260 A1 (JOHN S. WALLEY et al.) 16 January 2003 See abstract, paragraph[0030] - paragraph[0042]; figure 3 and claim 1	1-19
A	US 2007-0280338 A1 (Quorum Systems, Inc.) 06 December 2007 See abstract, paragraph[0068] - paragraph[0094]; figure 3 and claim 9	1-19
A	US 2005-0227642 A1 (HENRIK JENSEN) 13 October 2005 See abstract, paragraph[0055] - paragraph[0067]; figures 4-6 and claim 1	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

14 JUNE 2010 (14.06.2010)

Date of mailing of the international search report

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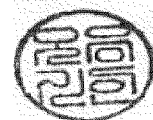
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Information on patent family members

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