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(71) Applicant *(for all designated States except US)*: **ROHDE & SCHWARZ GMBH & CO. KG** [DE/DE]; Mühldorfstrasse 15, 81671 München (DE).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **MAUCKSCH, Thomas** [DE/DE]; Hochriesstr. 1a, 83104 Tuntenhausen (DE).

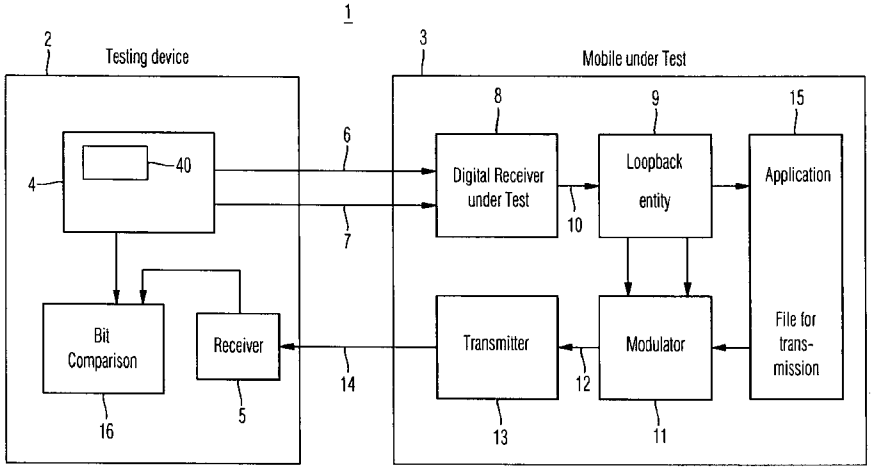
(74) Agents: **KÖRFER, Thomas** et al.; Mitscherlich & Partner, Patent- & Rechtsanwälte, Sonnenstrasse 33, 80331 München (DE).

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(54) **Title:** SYSTEM, MOBILE COMMUNICATION UNIT AND METHOD FOR TESTING A RECEIVER PERFORMANCE



(57) **Abstract:** The invention regards a system, a mobile communication unit (3) and a method for analysing a receiver (8) performance of a mobile communication unit (3). An information is generated in a system simulator (4) and is transmitted in a transmission signal from a testing device (2) to a mobile communication unit (3) under test. The transmission signal is transmitted from the testing device (2) to the mobile communication unit (3) under test via a unidirectional channel (6, 7). The transmission signal is received and analyzed by the receiver (8) the performance of which is to be tested. By analyzing the received transmission signal the information included in the transmission signal is being obtained. The information obtained from the analysis of the transmission signal is transmitted back from the mobile communication unit (3) under test in a backtransmission signal via an independent backtransmission channel (14). The backtransmission signal received by the testing device (2) is analysed by the testing device (2) for obtaining the information included in the backtransmission signal and the result is compared to the information originally generated.

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