



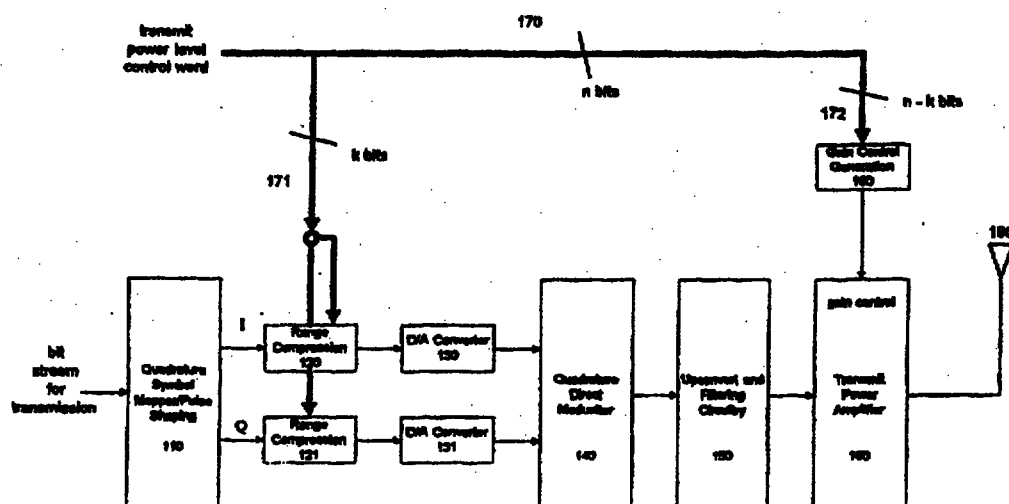
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(54) Title: HYBRID ANALOG/DIGITAL METHOD AND APPARATUS FOR CONTROLLING THE TRANSMISSION POWER LEVEL OF A RADIO TRANSCEIVER



(57) Abstract

A technique for controlling the transmission power level of a transmitter, particularly in a wireless personal communication system, is disclosed. This technique assists in the prevention of interference between transceivers from degrading the quality of transmission. Transmission power level (170-172) is controlled through a hybrid circuit containing both digital and analog electronics. The transmission power level is set by controlling both the amount by which a data stream is compressed and the gain of an analog transmit power amplifier (160). This approach allows adequate control over the transmission power level; it avoids the need for utilizing excessively wide data paths for the digital transmit signal (which may compromise portable terminal battery consumption), or utilizing expensive, hard-to-calibrate analog electronics.