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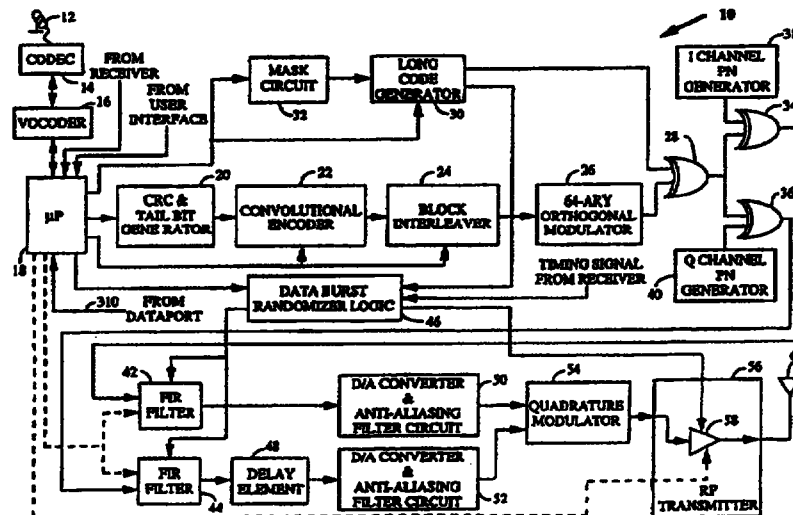
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(54) Title: **SYSTEM AND METHOD FOR REDUCING AM-INTERFERENCE GENERATED BY A CDMA COMMUNICATIONS DEVICE**



(57) Abstract

A system and method for reducing the interference experienced by sensitive electronic devices, such as hearing aids, operative in the vicinity of CDMA user communication devices (10). A transmitter (56) of the communications device (10) is configured to transmit signal power substantially continuously at a full rate power level irrespective of the variable data rate at which the transmitter (56) would otherwise be operative. In a first embodiment, a variable rate vocoder (16) within the transmitter is directed to perform full-rate vocoding, irrespective of an instantaneous level of user speech. In a second embodiment, a microprocessor (18) builds full-rate frames using repeated versions of code symbols generated by the vocoder (16). In a third embodiment, the microprocessor (18) builds full rate frames by generating signaling bits of a predetermined pattern to pad otherwise non-full frames.