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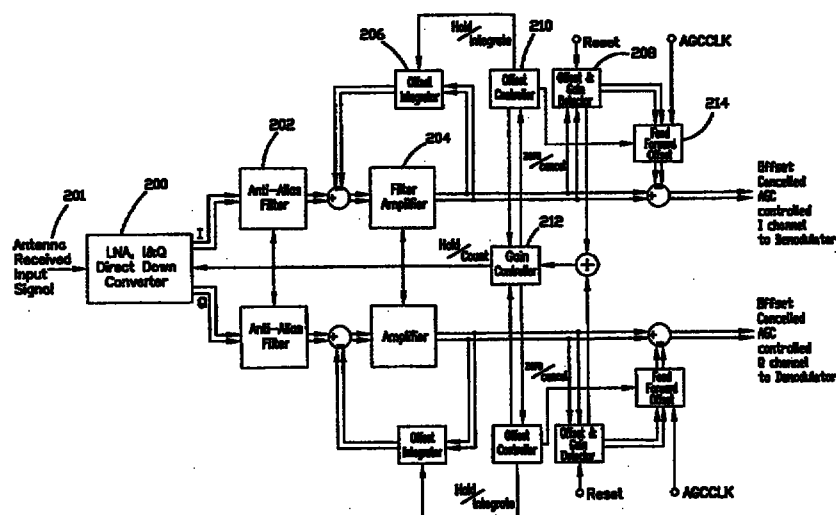
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(54) Title: AUTOMATIC GAIN CONTROL AND OFFSET CORRECTION



(57) Abstract: A direct conversion type transceiver system incorporates an offset correction and automatic gain control system. The automatic gain control system includes an amplifier amplifying a baseband signal which is directly converted from a received incoming RF signal, a feedback offset canceller controllably canceling DC offset, an automatic gain controller controlling gain of the amplifier, and a feed forward offset canceller coupled to a signal peak detector. The signal peak detector controlling the automatic gain controller and the feed forward offset canceller simultaneously, the feed forward offset canceller further canceling the DC offset.

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