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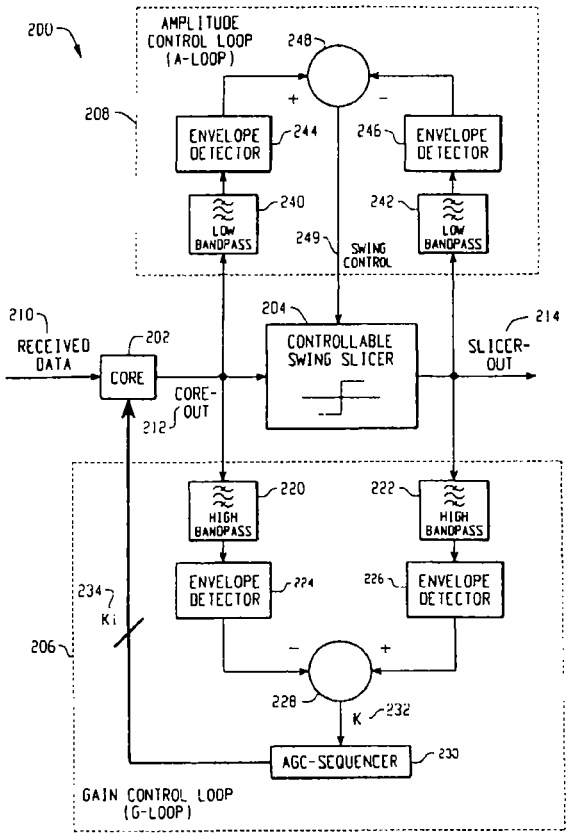
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(54) Title: ADAPTIVE EQUALIZER WHICH IS INDEPENDENT OF THE AMPLITUDE OF THE TRANSMITTED SIGNAL



(57) Abstract: Adaptive equalizers are provided that compensate for transmission losses in an input signal, when the transmit signal amplitude is unknown. Several embodiments are provided, including a first embodiment having an equalizer core, a controllable-swing slicer and an amplitude control loop, a second embodiment having an equalizer core, a fixed-swing slicer and a control loop, a third embodiment having an equalizer core, a variable gain amplifier, and a variable gain amplifier control loop, and a fourth embodiment having an equalizer core, a fixed-swing slicer, a variable gain amplifier, and a variable gain amplifier control loop.

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