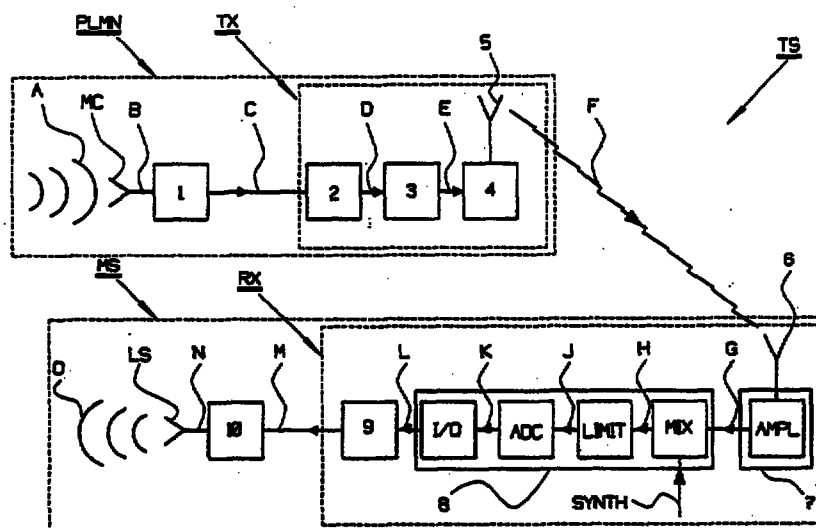




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(54) Title: METHOD AND ARRANGEMENT IN A TRANSMISSION SYSTEM



(57) Abstract

A method of extending the dynamic range of a receiver (RX) in a digital radio transmission system (TS), wherein the receiver (RX) receives a radio signal (F) sent from a transmitter (TX) and includes an A/D-converter (ADC), and wherein the method comprises the following steps: selecting an upper limit value (OG) for the dynamic range of the A/D-converter (ADC); determining a minimum accepted signal quality for a radio signal process in the receiver (RX); overextending the A/D-converter so as to exceed the upper limit value (OG); generating a signal quality value downstream of the A/D-converter; comparing the generated signal quality value with the minimum accepted signal quality; limiting the overextension so that the minimum accepted signal quality will be exceeded when the A/D-converter is overextended.

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