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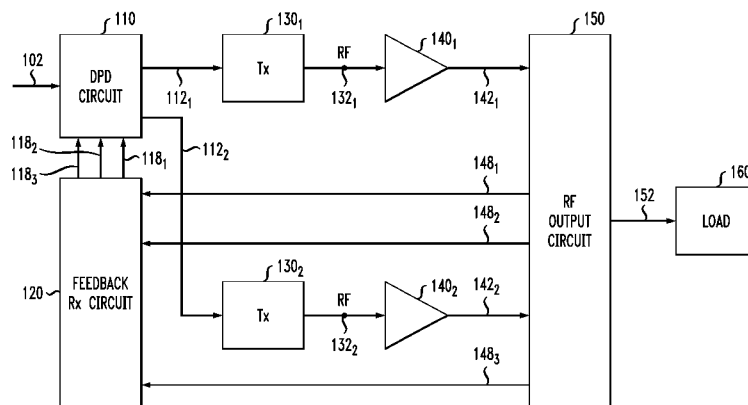
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(54) Title: RADIO-FREQUENCY TRANSMITTER, SUCH AS FOR BROADCASTING AND CELLULAR BASE STATIONS

FIG. 1

100



(57) Abstract: A transmitter that uses a digital pre-distortion (DPD) circuit to mitigate the effects of nonlinearity of a multistage or multi-branch power amplifier. The DPD circuit relies on two or more feedback signals received from an RF-output circuit of the transmitter to generate individually pre-distorted signals for the individual stages/branches of the power amplifier. The use of these individually pre-distorted signals advantageously enables the transmitter to achieve a more efficient suppression of inter-modulation-distortion products than that typically achieved with a comparable prior-art transmitter.