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(54) **METHOD AND APPARATUS FOR A
TRANSCIVER HAVING A CONSTANT
POWER OUTPUT**

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(57) **ABSTRACT**

The present invention includes a transceiver and a method of operating the same that includes in the transmitter a power control circuit that operates on an analog differential signal containing data packets individually. The power control circuit initially transmits a series of data symbols with known values, periodically strobos the transceiver system for correct power levels and incrementally increases the power level of the transceiver until the optimal gain is reached, without exceeding the maximum output power.

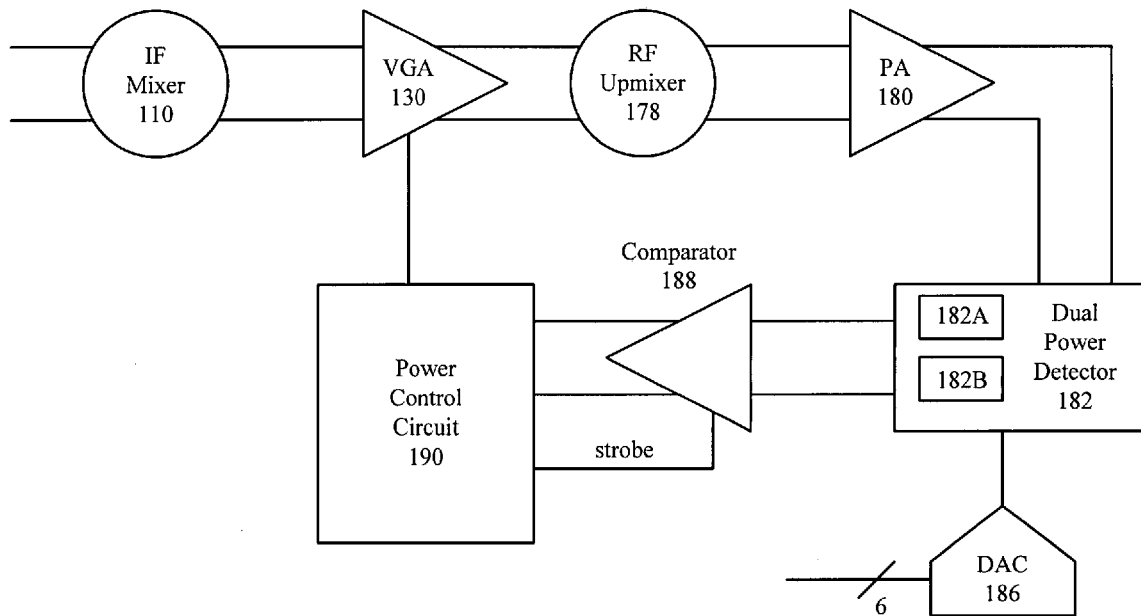
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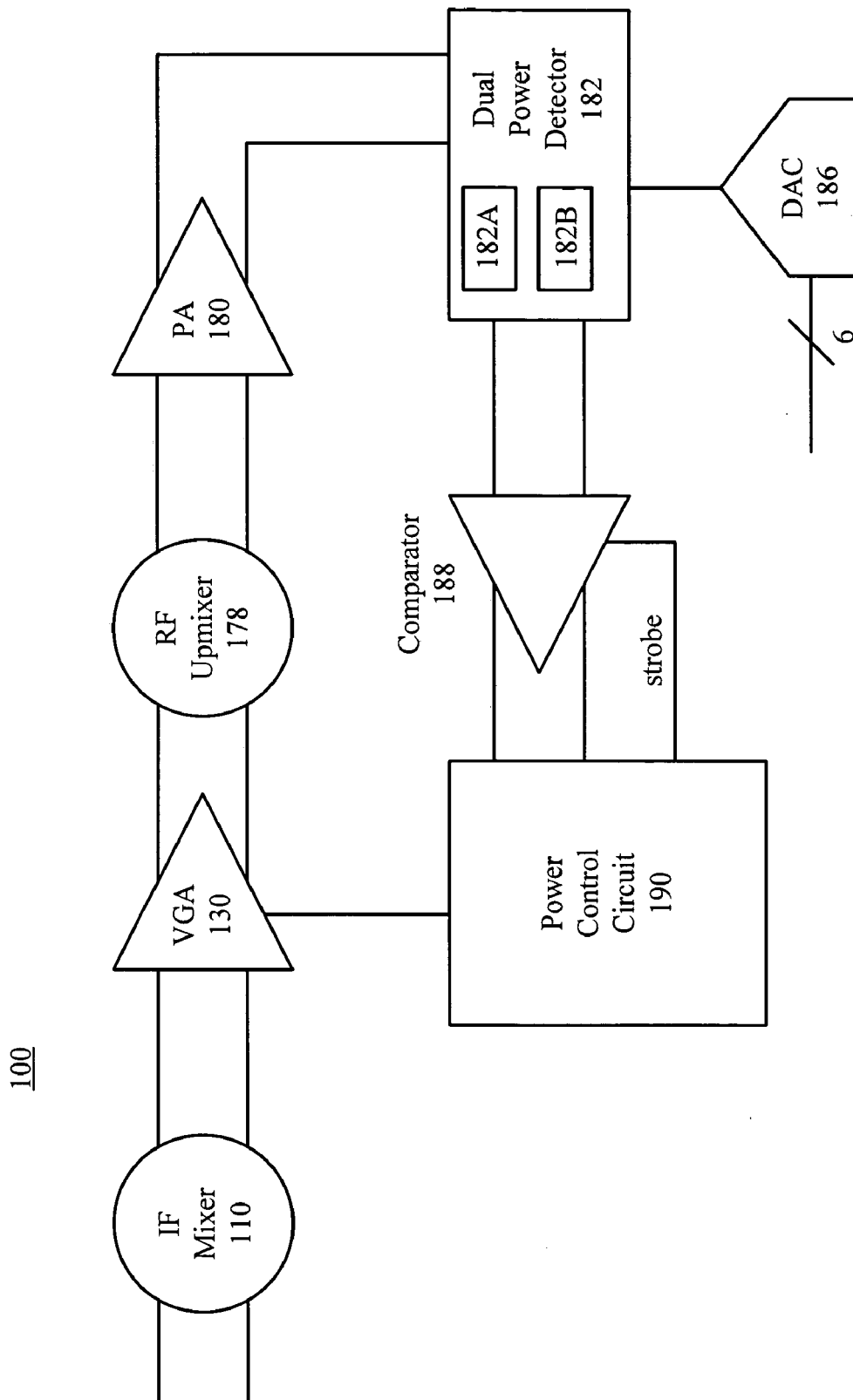


Fig. 1

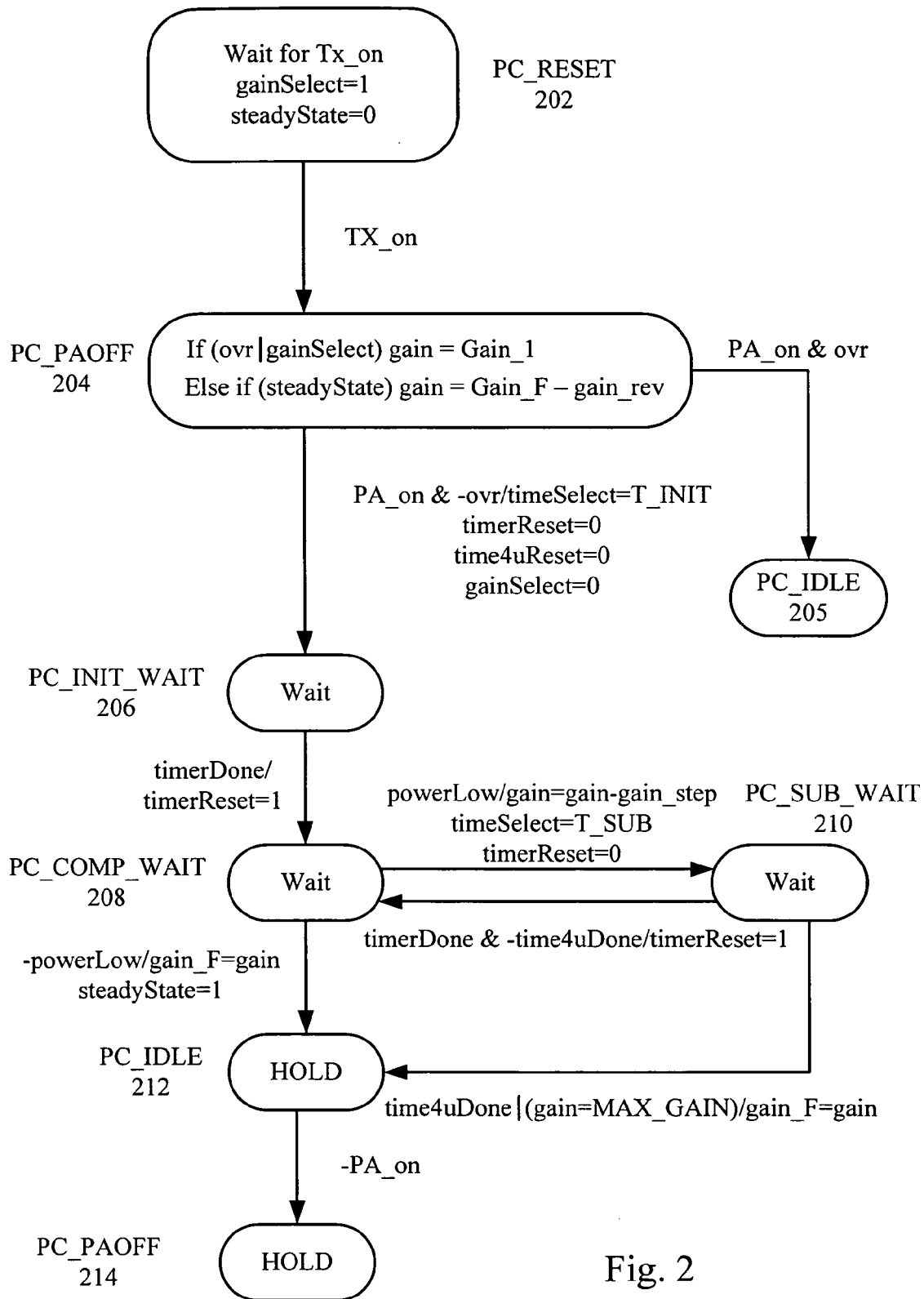


Fig. 2

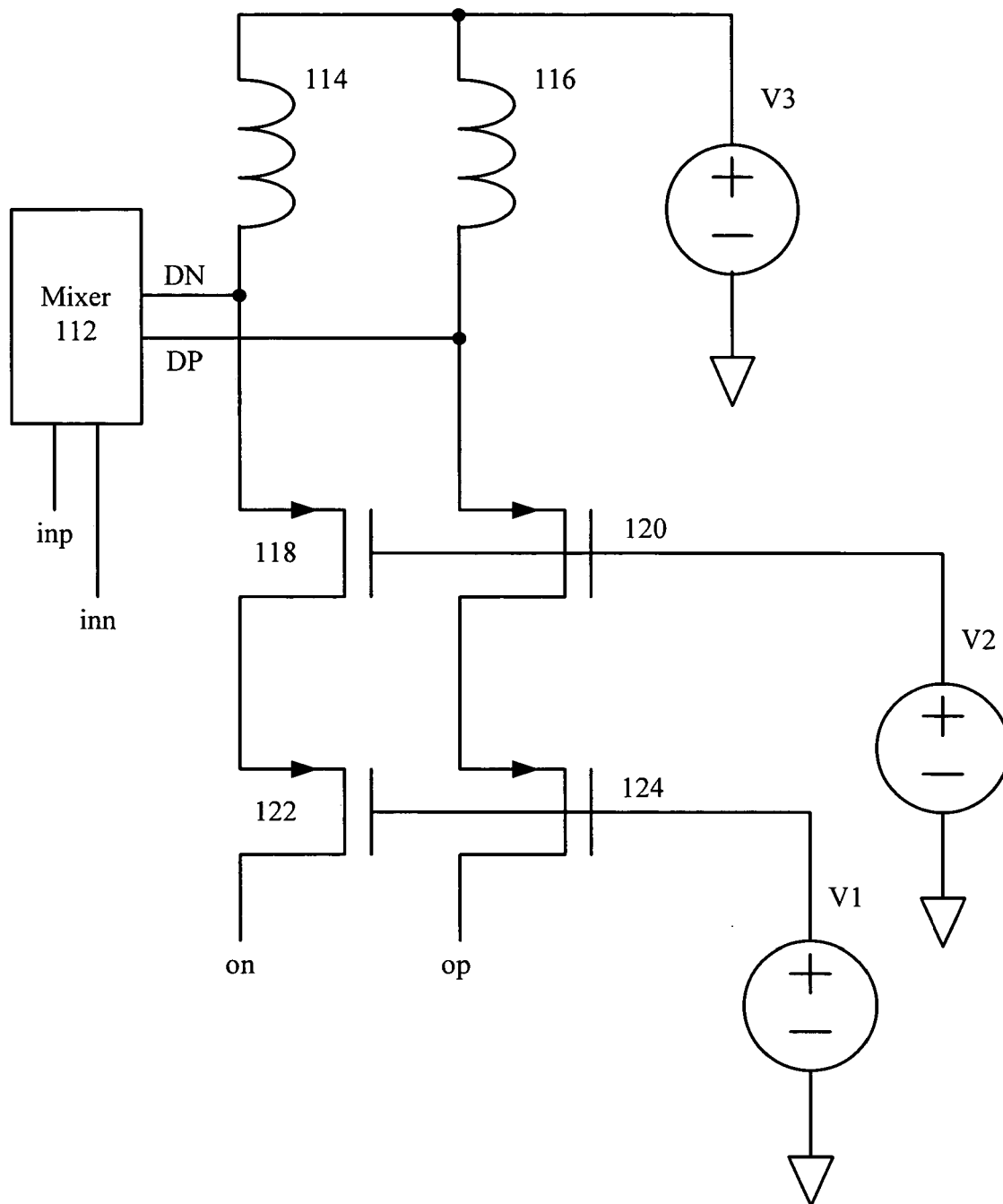


Fig. 3

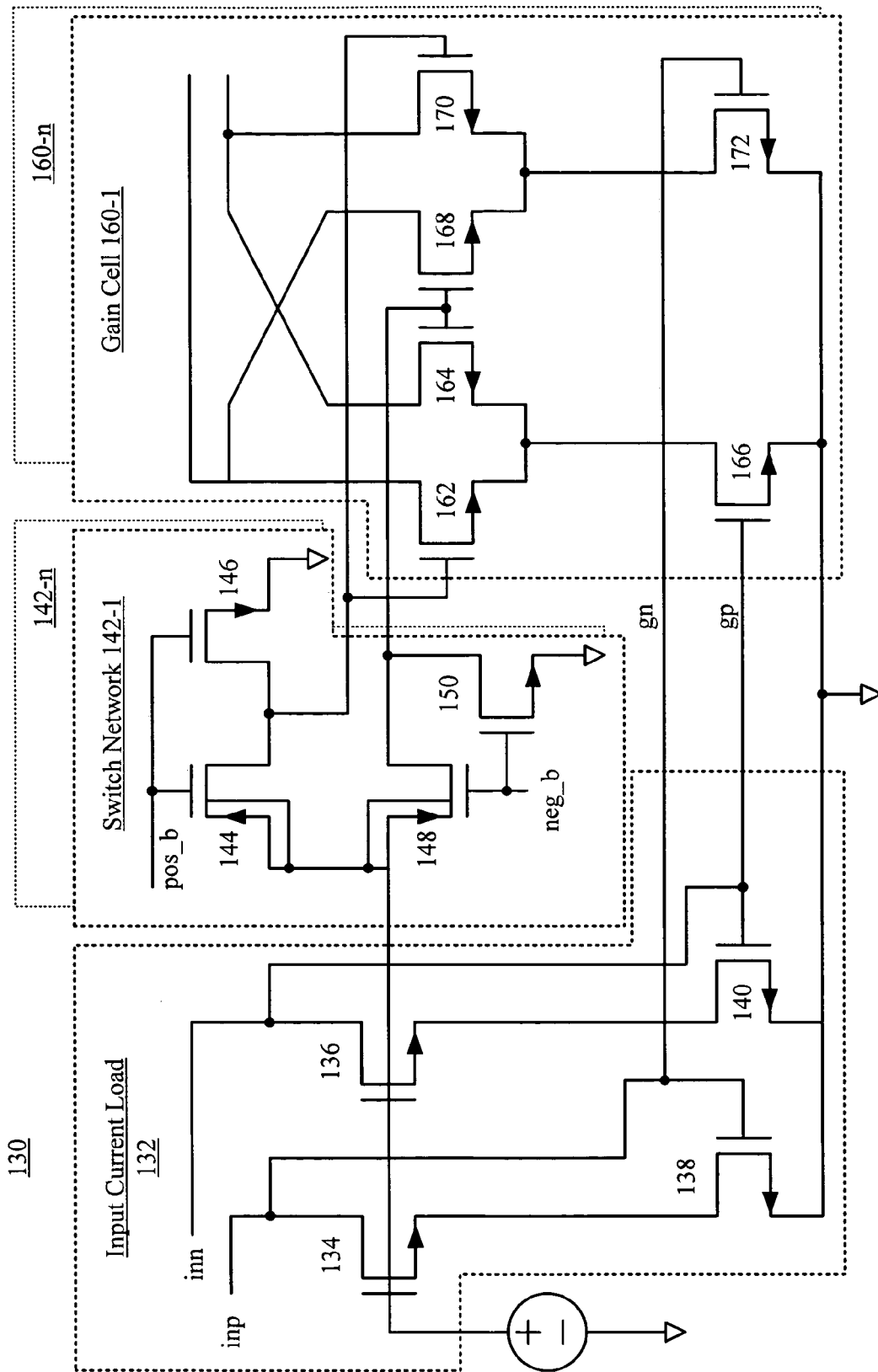


Fig. 4

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