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

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(76) Inventor: **Brian J. Kaczynski**, Los Altos, CA
(US)

Correspondence Address:
BEVER HOFFMAN & HARMS, LLP
TRI-VALLEY OFFICE
1432 CONCANNON BLVD., BLDG. G
LIVERMORE, CA 94550 (US)

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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.

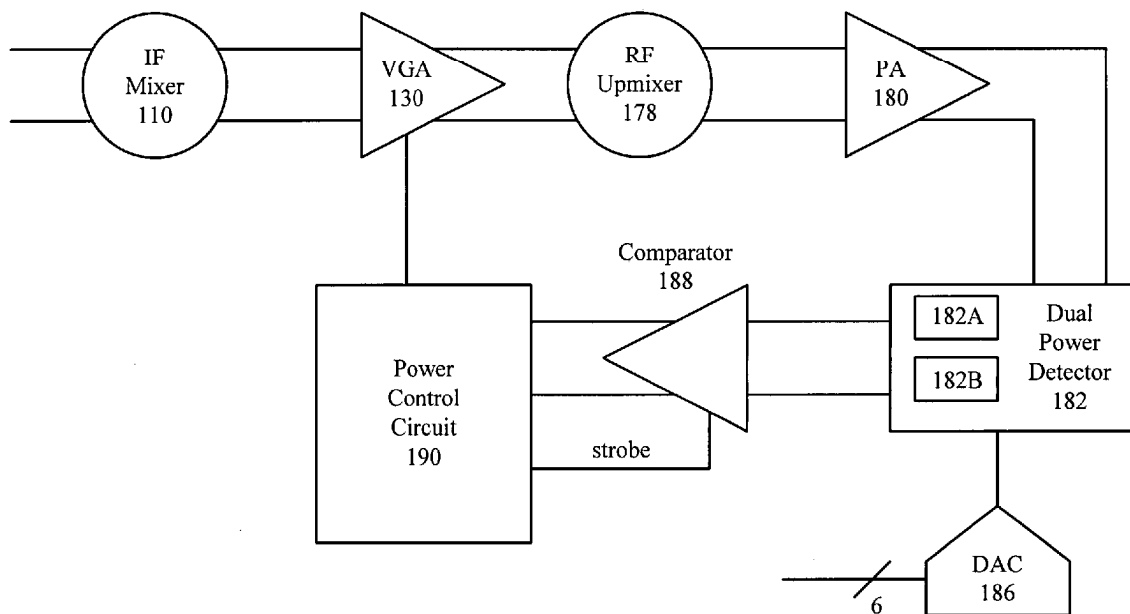
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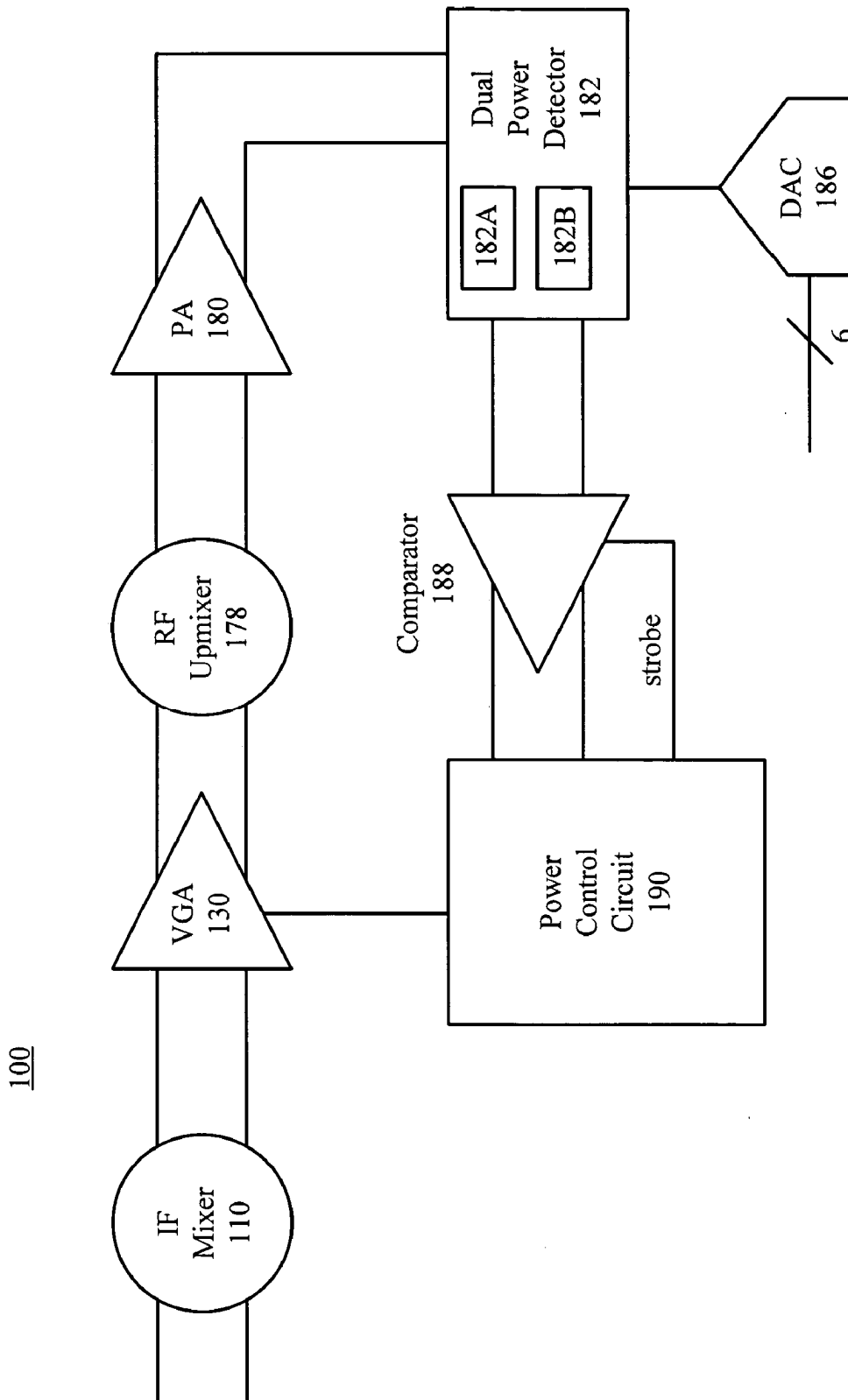


Fig. 1

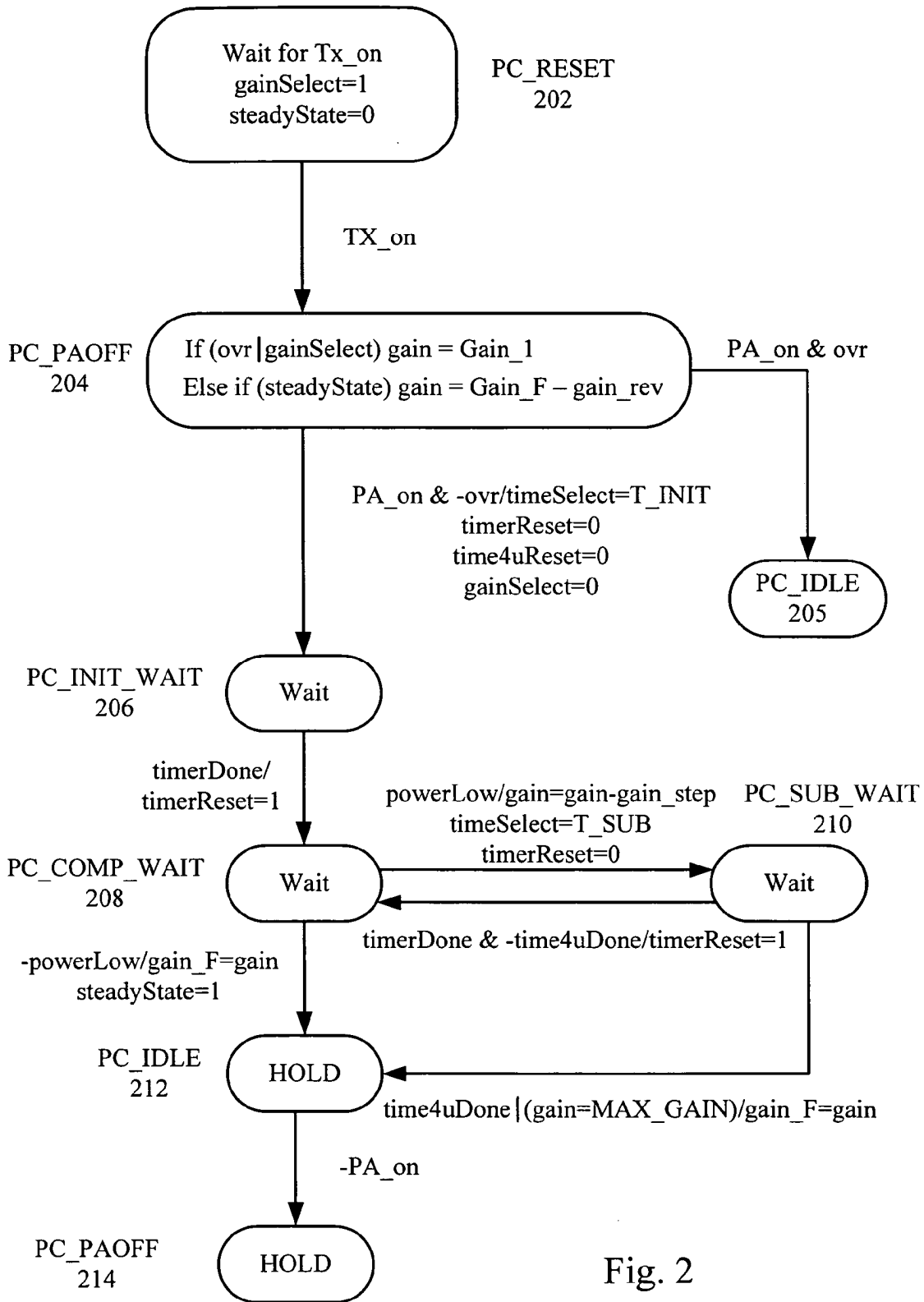


Fig. 2

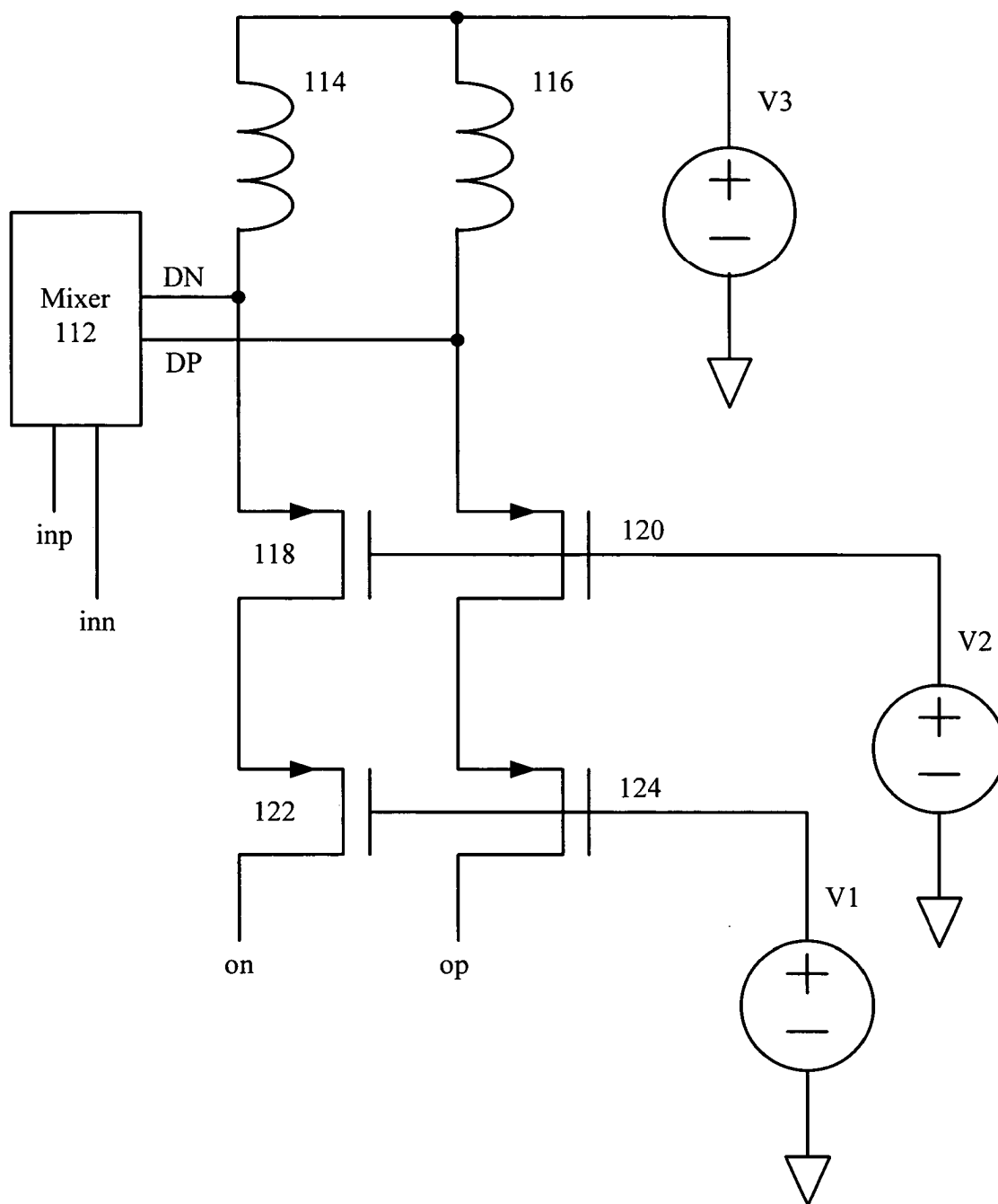


Fig. 3

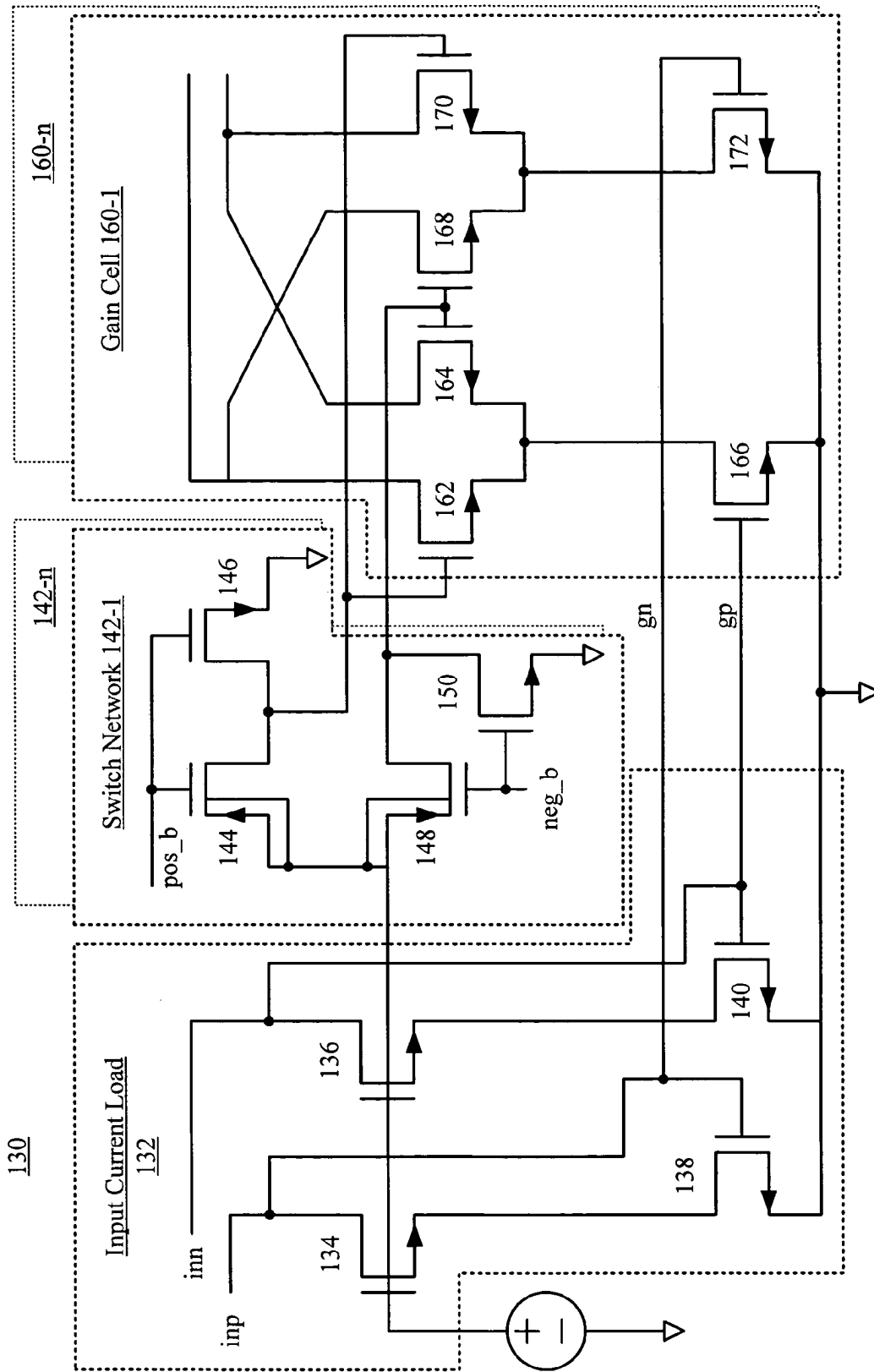


Fig. 4

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