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King et al.

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(54) **METHOD FOR TRANSMIT POWER CONTROL**
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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 583 days.

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(21) Appl. No.: **10/382,827**
(22) Filed: **Mar. 6, 2003**

(51) **Int. Cl.**
H04Q 11/12 (2006.01)
H04B 1/04 (2006.01)
(52) **U.S. Cl.** **455/126**; 455/83; 455/127.1; 455/115.1
(58) **Field of Classification Search** 455/69, 455/522, 126, 517, 123, 127.1, 95, 102, 108, 455/572, 129, 127.2, 115.1, 115.2, 115.3, 455/115.4, 83, 78
See application file for complete search history.

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Assistant Examiner—John J. Lee

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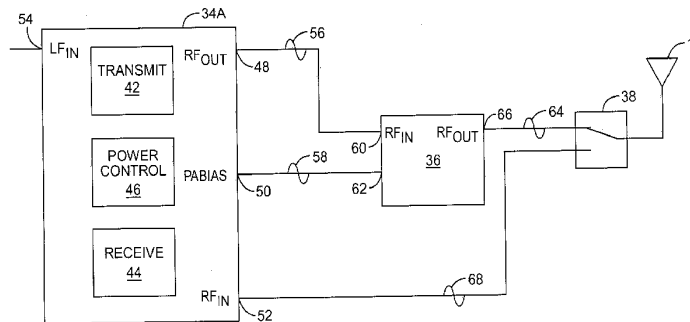
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(57) **ABSTRACT**

A transceiver has power control circuitry integrated therein. In particular, the power control circuitry receives a signal indicative of the transmit power level and adjusts the gain on a variable gain amplifier within the transceiver such that the output of the transceiver is at a level from which the power amplifier will amplify the signal to the desired transmit power.

7 Claims, 5 Drawing Sheets



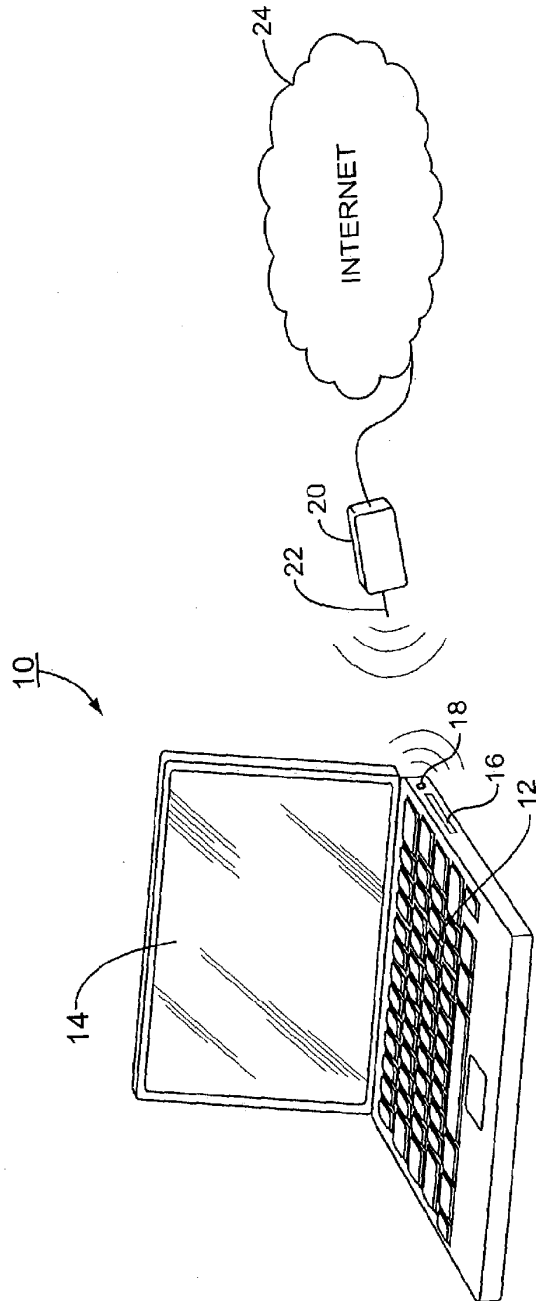


FIG. 1
(PRIOR ART)

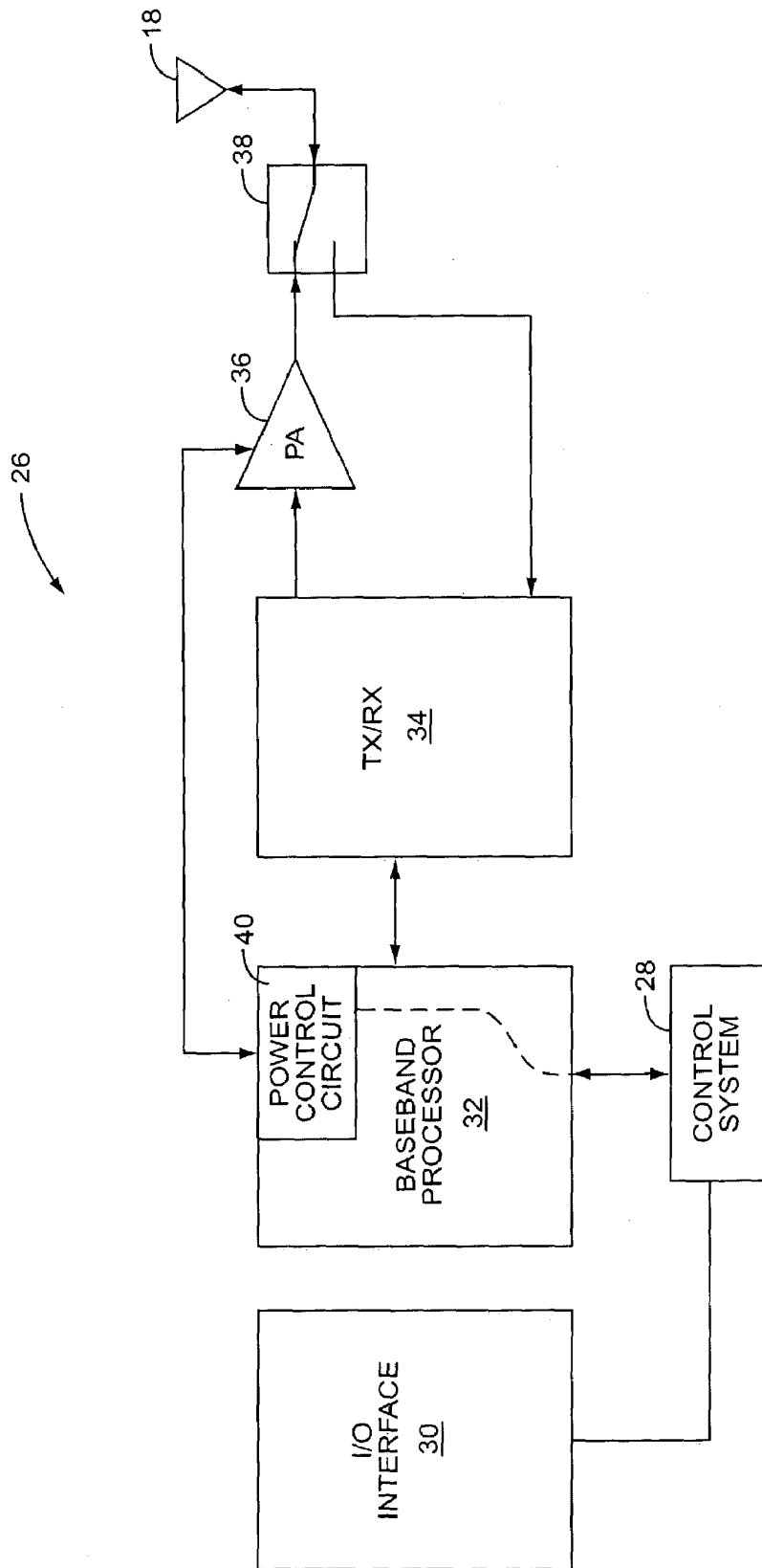


FIG. 2
(PRIOR ART)

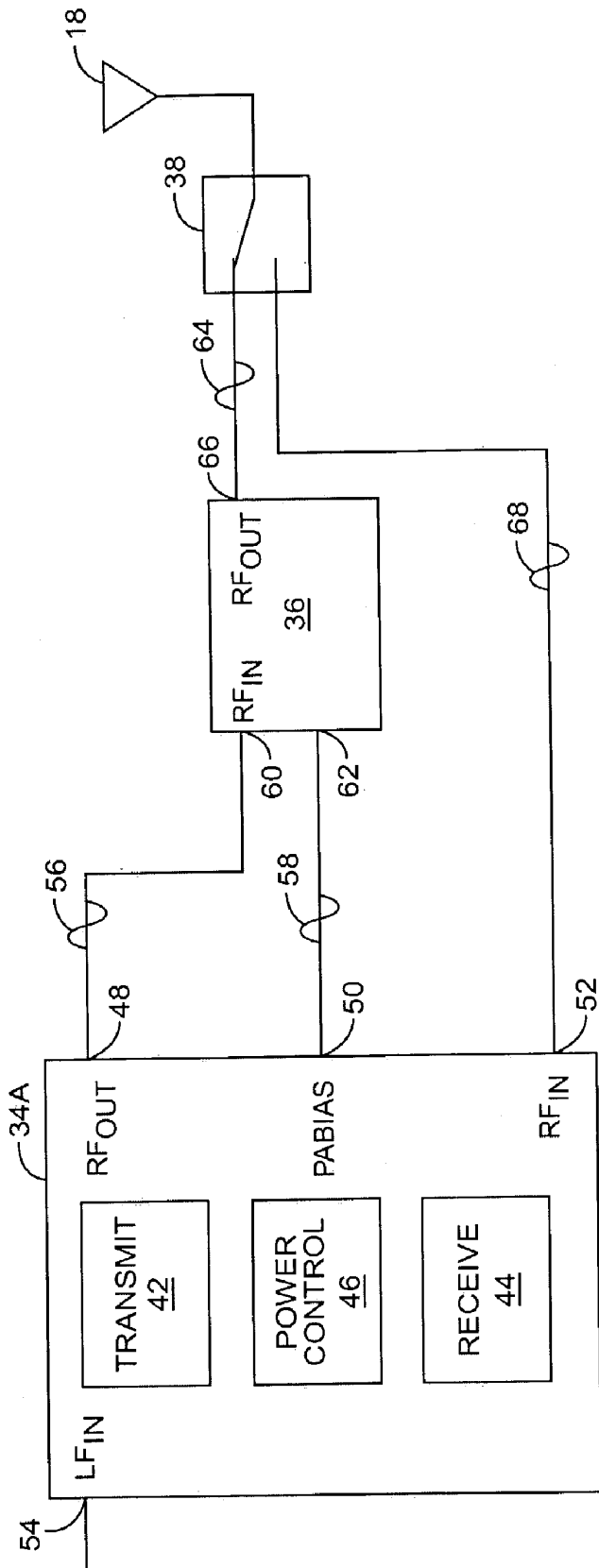


FIG. 3

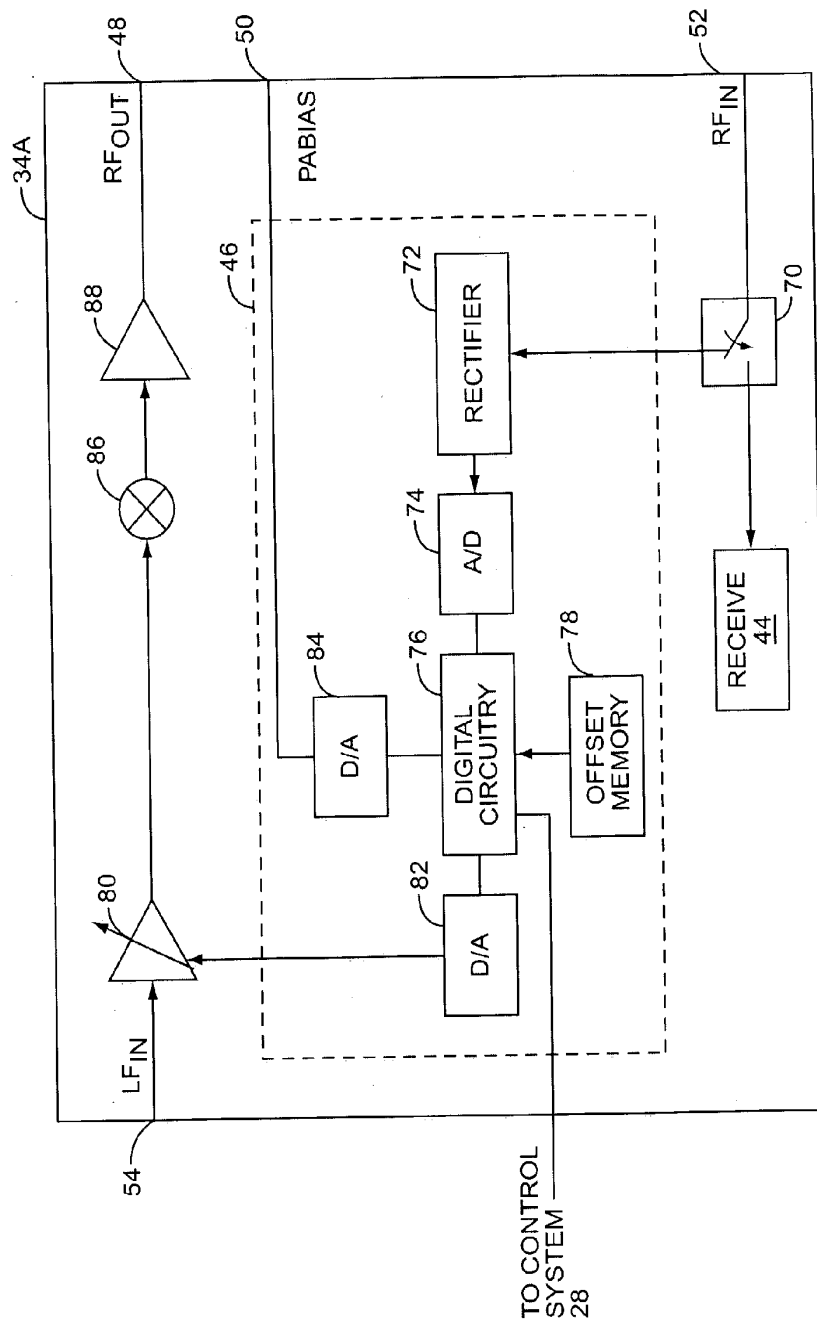


FIG. 4

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