



[54] **HAND-HELD CELLULAR TELEPHONE WITH POWER MANAGEMENT FEATURES**

[75] Inventor: **David Rand Irvin**, Raleigh, N.C.

[73] Assignee: **Ericsson, Inc.**, Research Triangle Park, N.C.

[\*] Notice: This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).

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[22] Filed: **May 2, 1997**

[51] Int. Cl.<sup>7</sup> ..... **H04B 1/40**

[52] U.S. Cl. .... **455/571; 455/69; 455/127; 455/522**

[58] Field of Search ..... 455/522, 69, 569, 455/571, 572, 573, 574, 115, 116, 126, 127

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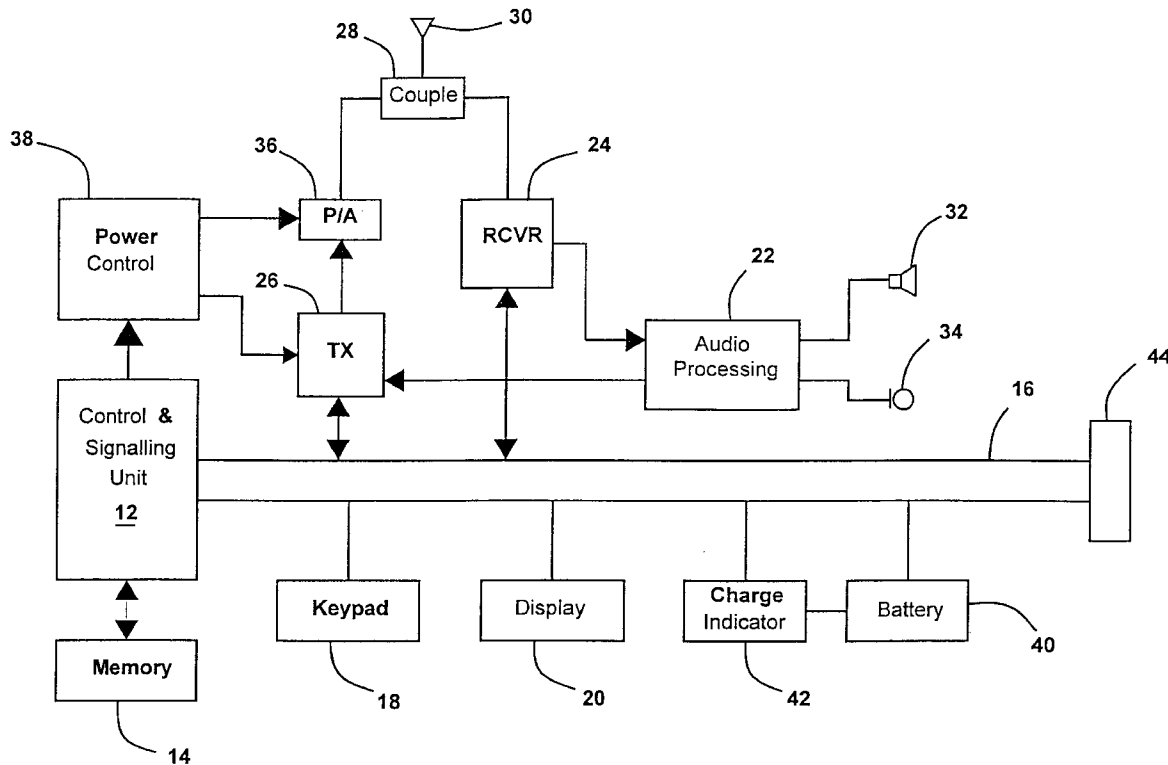
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*Primary Examiner*—Lee Nguyen  
*Attorney, Agent, or Firm*—Coats & Bennett, PLLC

[57] **ABSTRACT**

A mobile terminal includes power control logic which limits the maximum transmit power of the mobile radio telephone to conserve battery power when it is operated in a hand-held mode. The mobile radio telephone includes power control logic which sets the transmit power in response to power control codes received from a base station. The power control codes transmitted from the base station correspond to designated power levels. A signal is generated to indicate whether the mobile radio telephone is operated in a hand-held mode. When the mobile radio telephone is operated in a hand-held mode, the power control logic sets the power level at a maximum hand-held power level which is less than the maximum transmit power level.

**9 Claims, 6 Drawing Sheets**



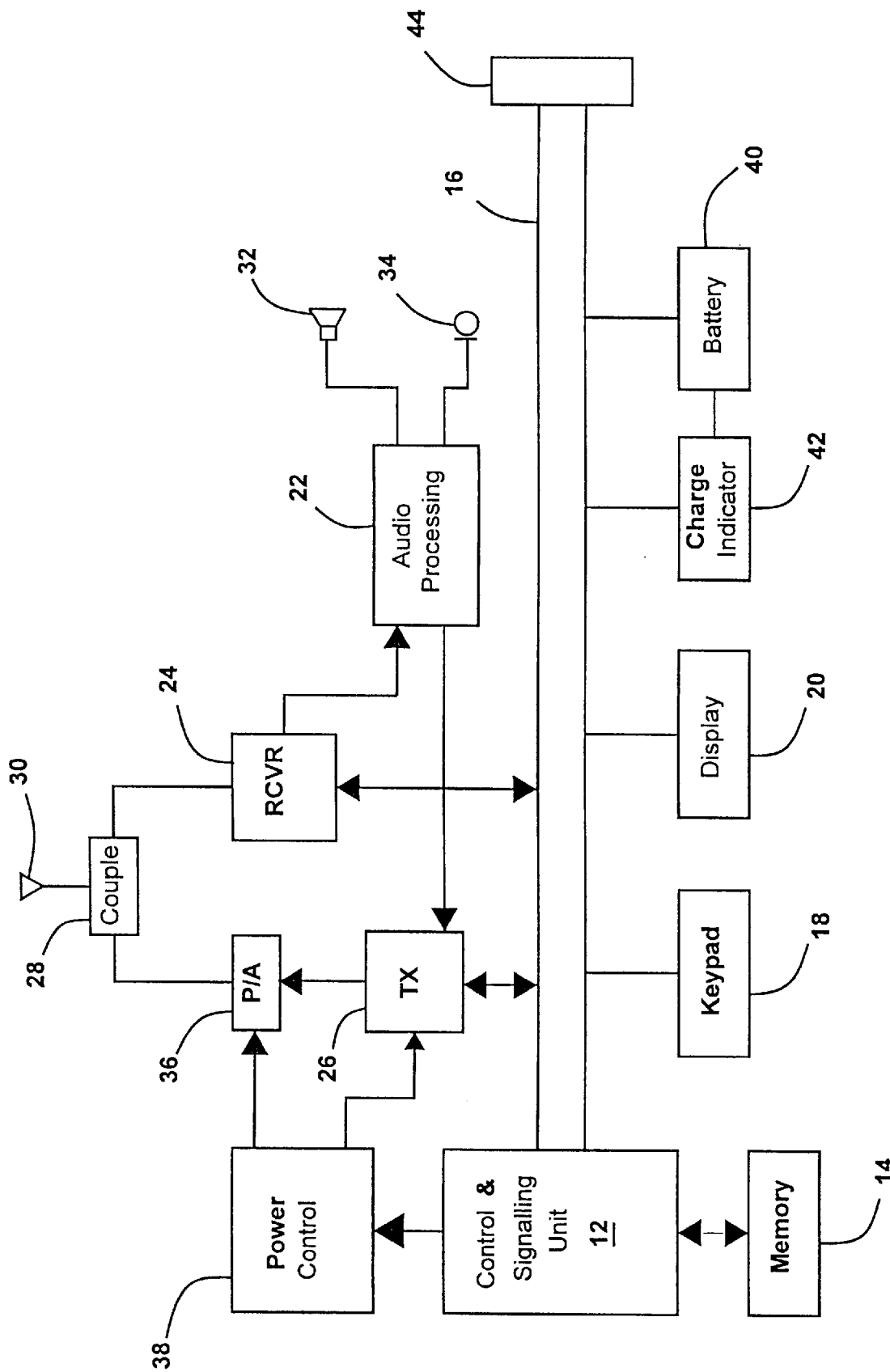


Figure 1

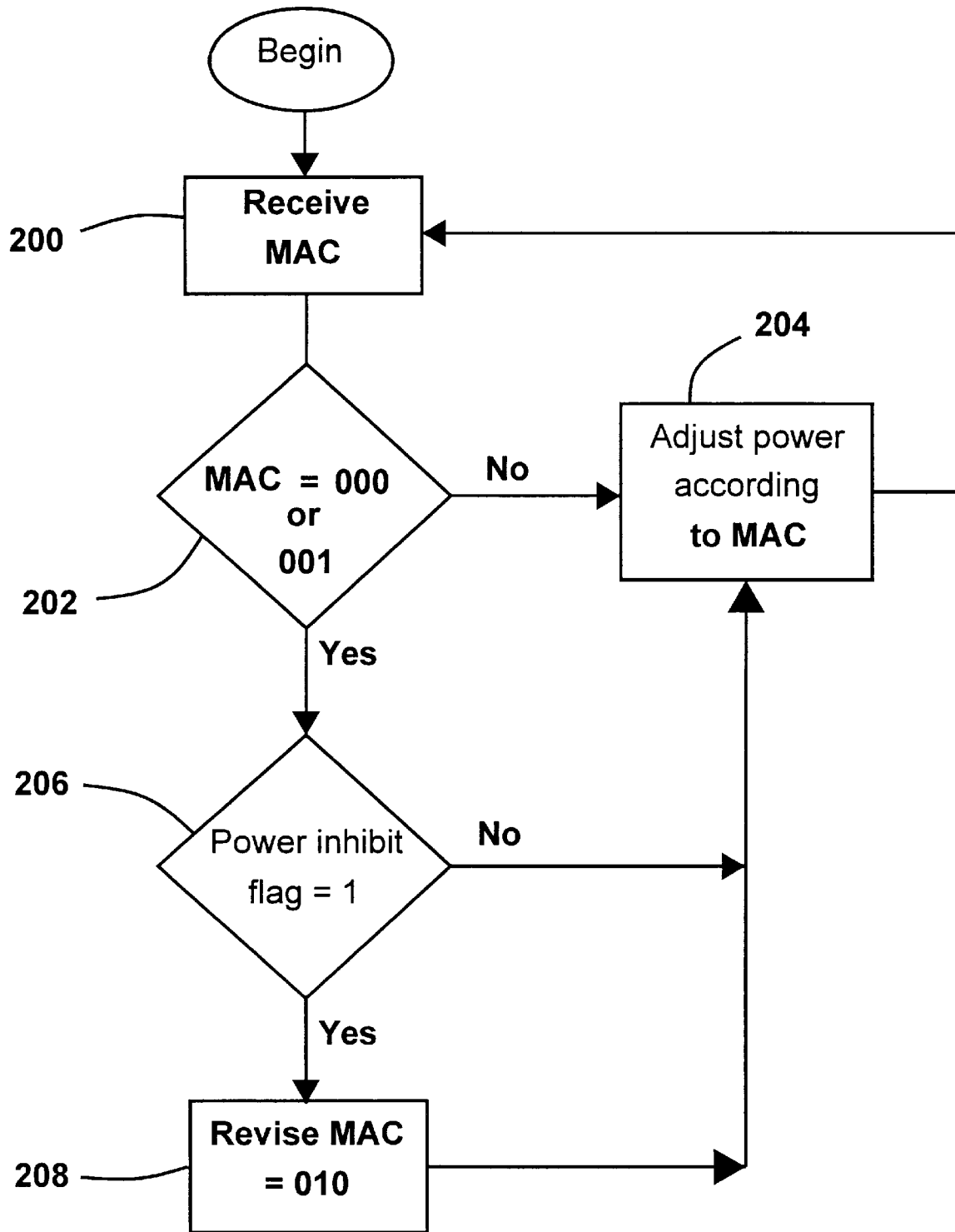


Figure 2

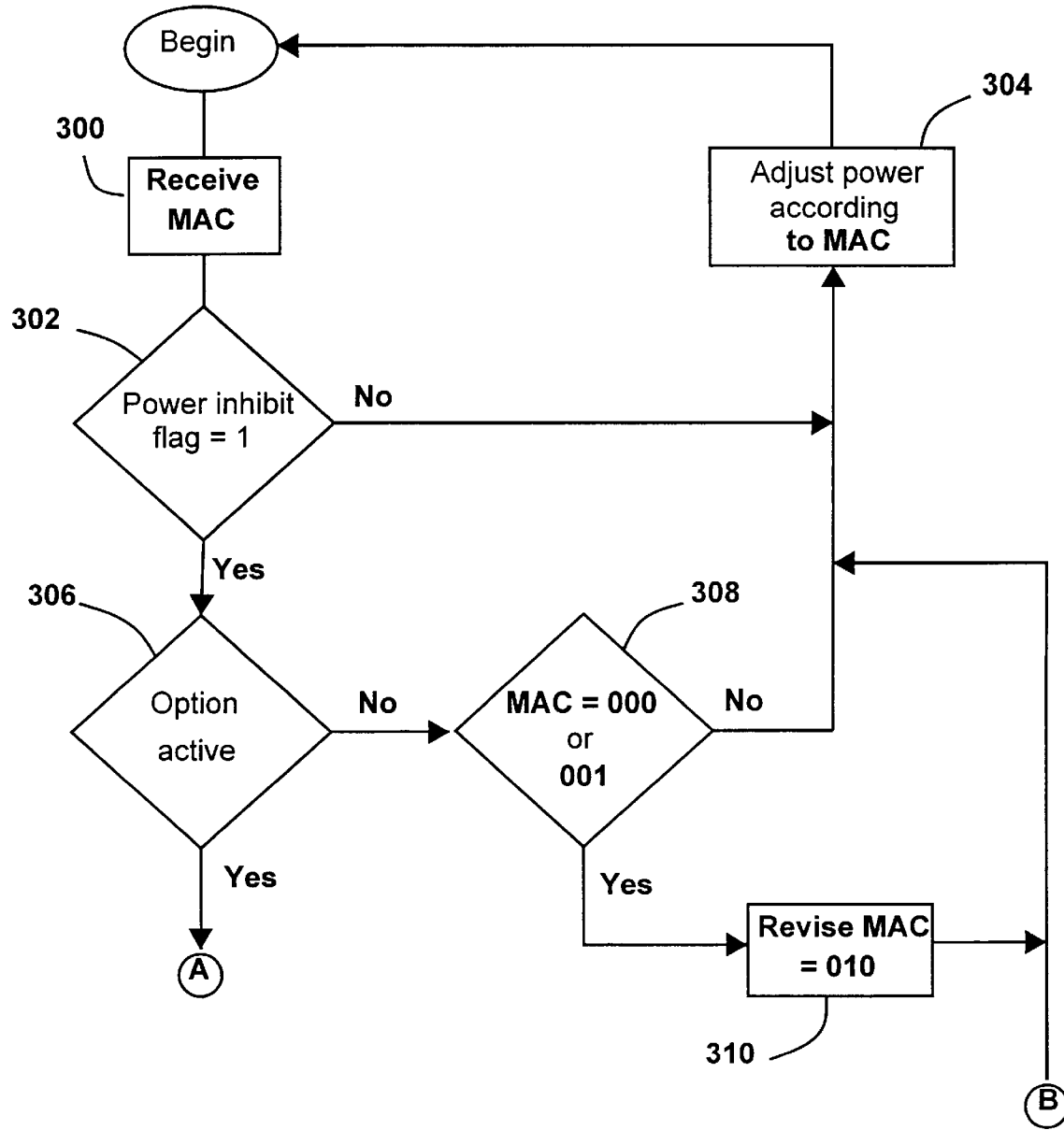


Figure 3A

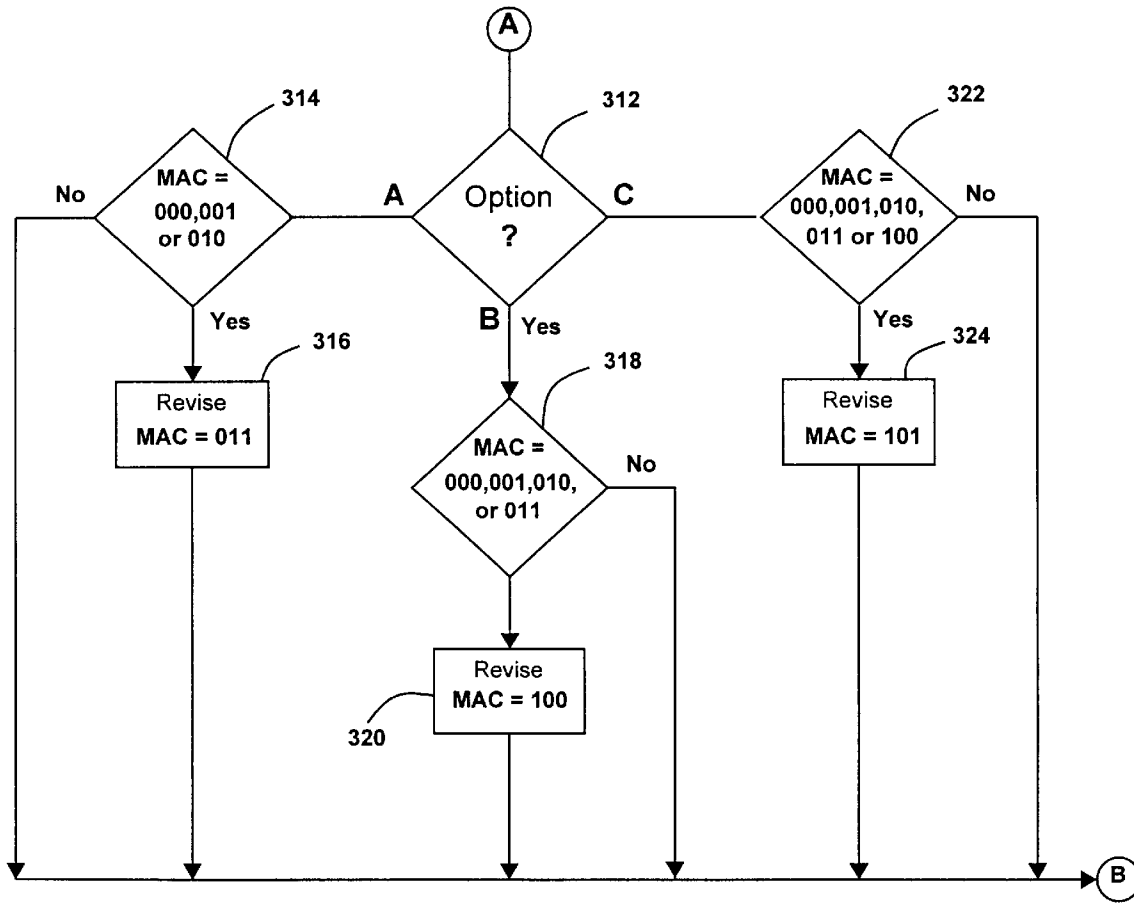


Figure 3B

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