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Krishnan et al.

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(54) **POWER CONTROL IN AD-HOC WIRELESS NETWORKS**

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(51) **Int. Cl.**

H04B 7/00 (2006.01)

H04Q 7/20 (2006.01)

(52) **U.S. Cl.** **455/522**; 455/69; 455/126; 455/67.11

(58) **Field of Classification Search** 455/522, 455/69, 525, 67.13, 67.11-13, 70, 126, 63.1, 455/134, 135, 137, 501, 127.1, 115.1; 370/332, 370/320

See application file for complete search history.

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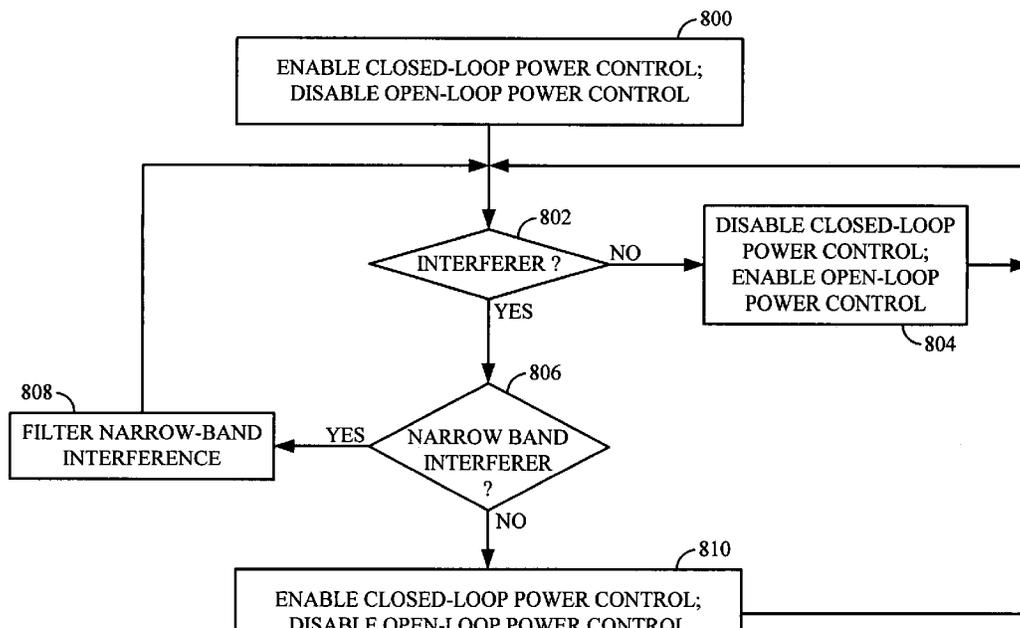
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(57) **ABSTRACT**

Systems and techniques are disclosed relating to wireless communications. The systems and techniques involve wireless communications wherein a module or communications device is configured to enable a closed-loop power control in response to a detecting a wide-band interferer and disable the closed-loop power control in response to not detecting interferer.

20 Claims, 7 Drawing Sheets



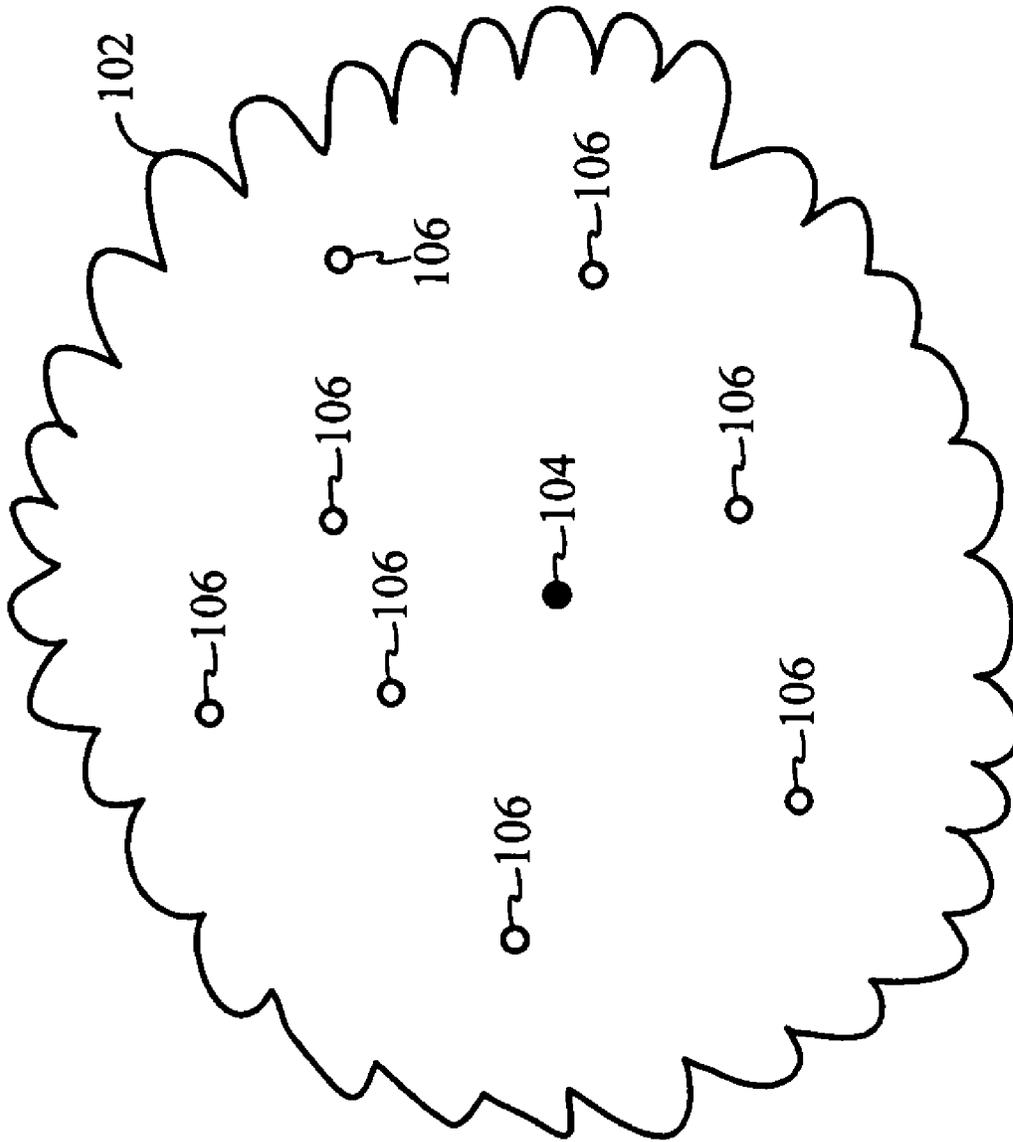


FIG. 1

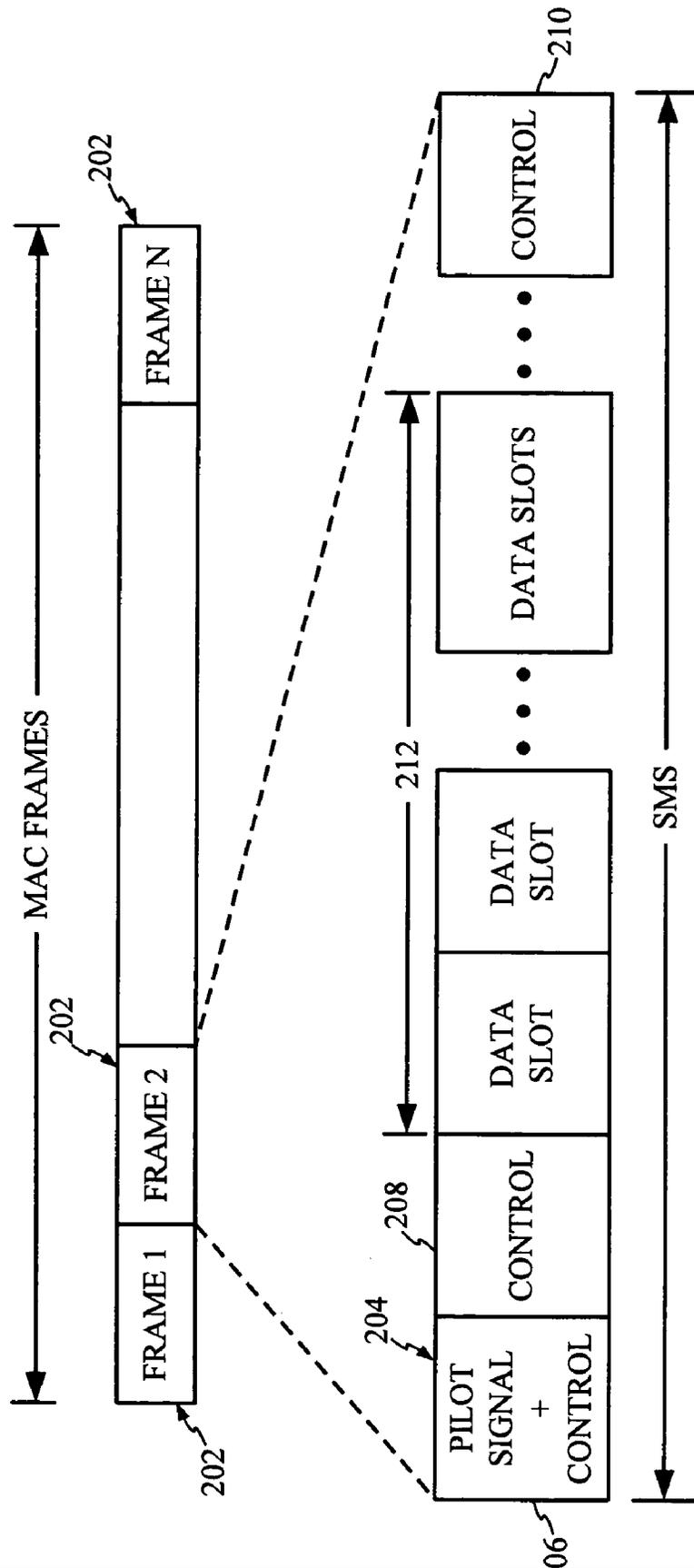


FIG. 2

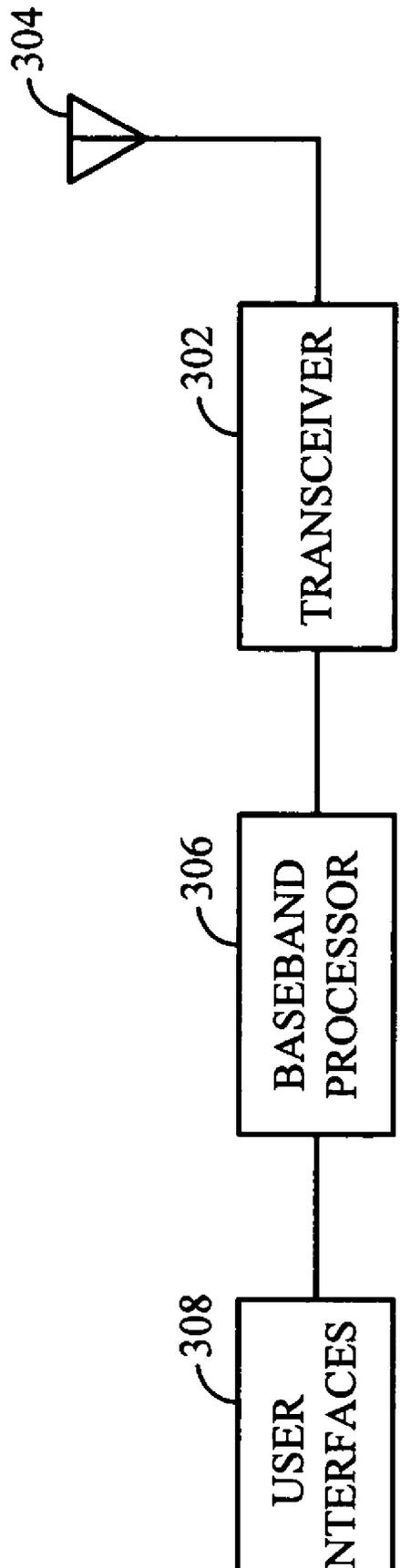


FIG. 3

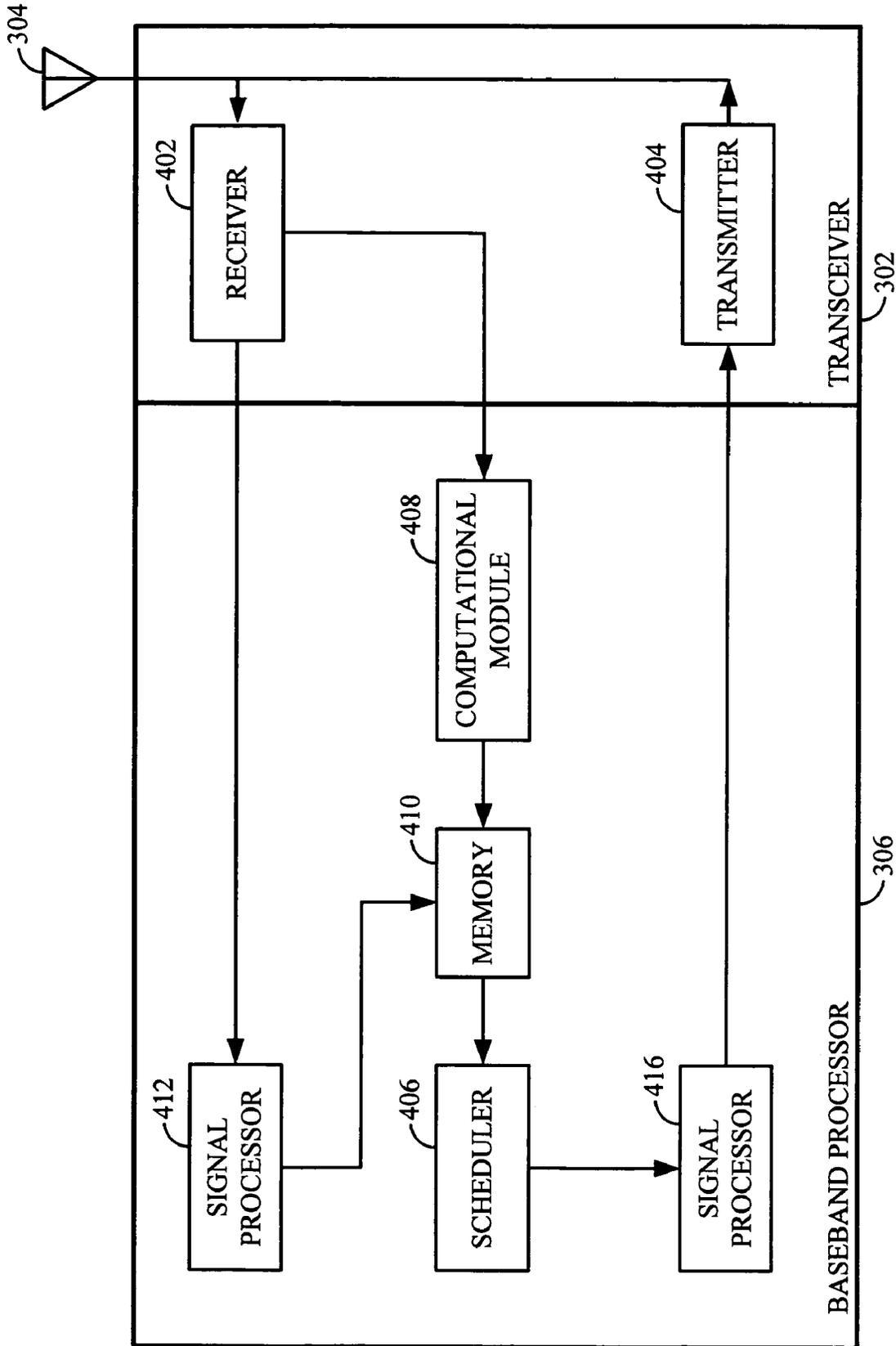


FIG. 4

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