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Lee

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(54) **ANTICIPATORY POWER MANAGEMENT FOR BATTERY-POWERED ELECTRONIC DEVICE**

(75) Inventor: **Michael M. Lee**, San Jose, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(51) **Int. Cl.**

G06F 1/00 (2006.01)
G06F 1/26 (2006.01)
G06F 1/32 (2006.01)

(52) **U.S. Cl.** **713/320; 713/300; 713/340; 482/8**

(58) **Field of Classification Search** **713/320, 713/300, 340; 482/8**

See application file for complete search history.

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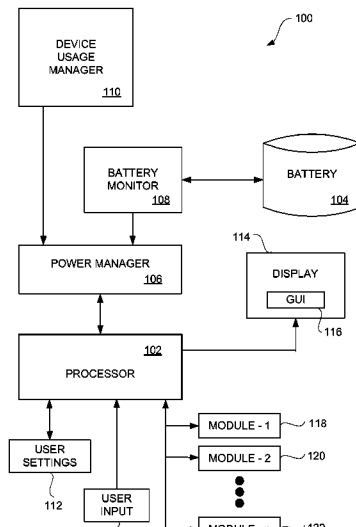
Primary Examiner—Thomas Lee

Assistant Examiner—Ji H Bae

(57) **ABSTRACT**

Methods and apparatus for managing power consumption of a battery-powered electronic device are disclosed. According to one embodiment, power management can take action to reduce power consumption to accommodate estimated power requirements. According to another embodiment, power management can notify a user when a power deficiency is anticipated. According to still another embodiment, power management can advise a user to charge a battery of the battery-powered electronic device. According to still another embodiment, a user can influence power management by user selections.

34 Claims, 8 Drawing Sheets



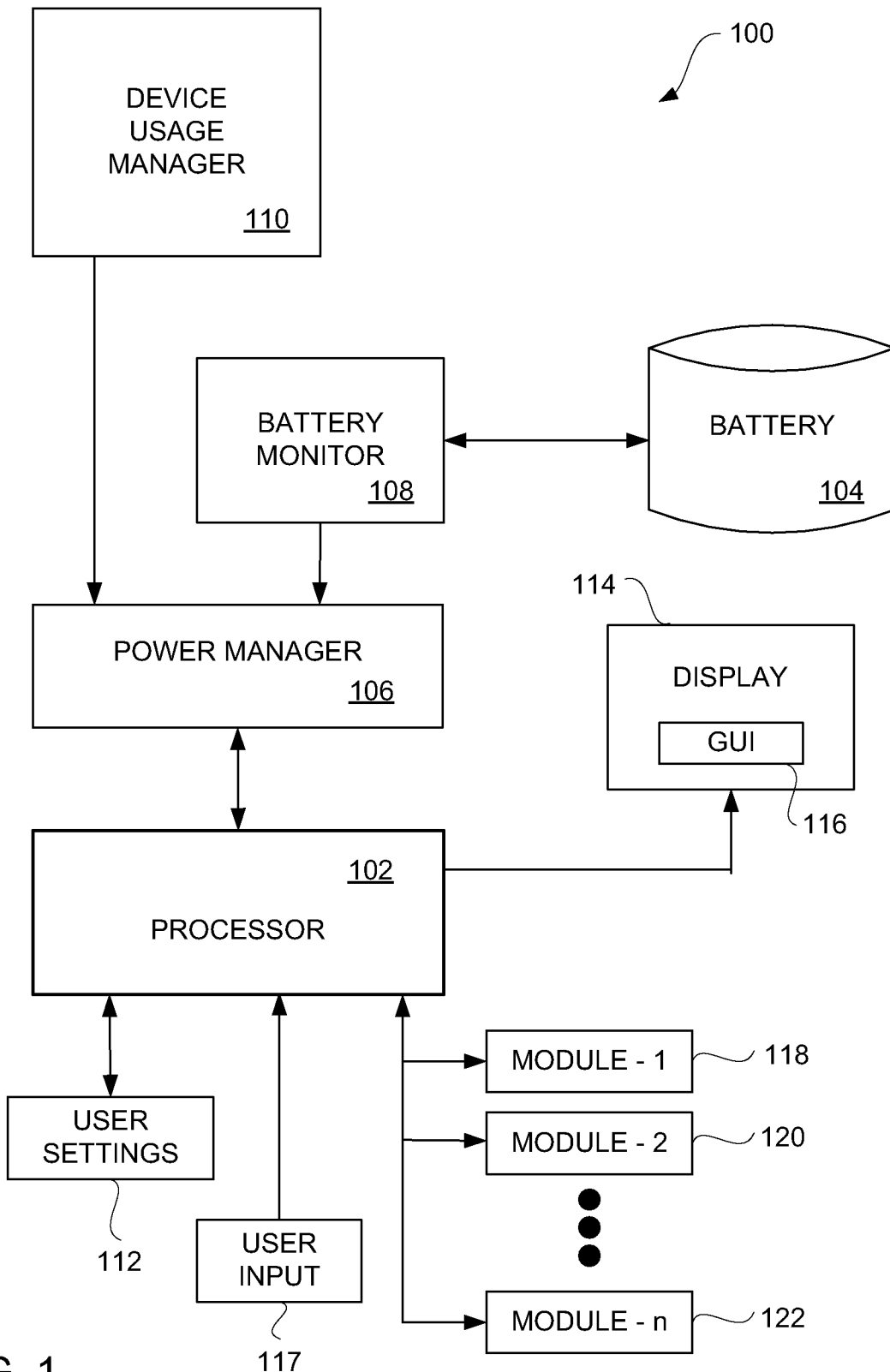


FIG. 1

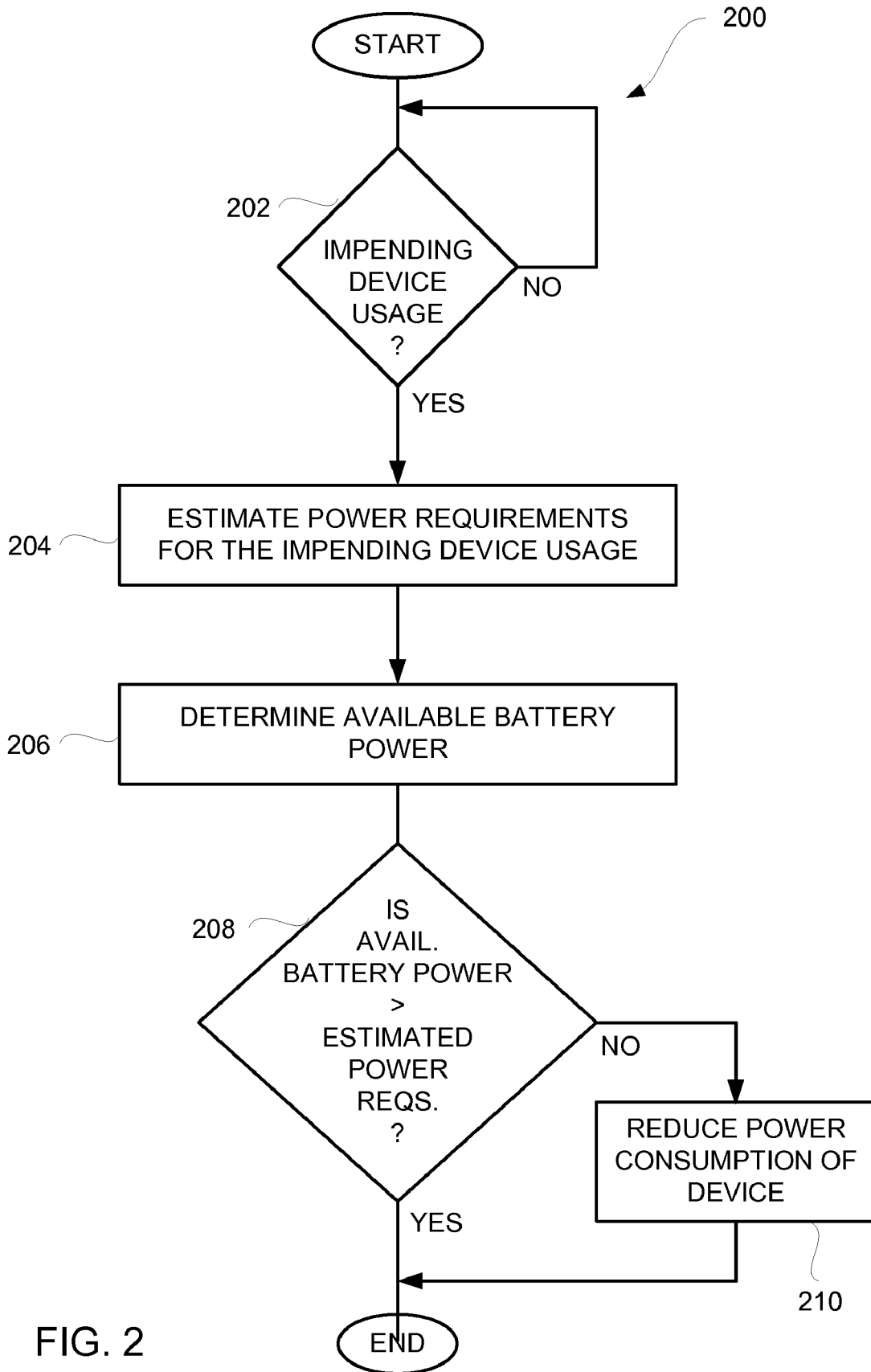


FIG. 2

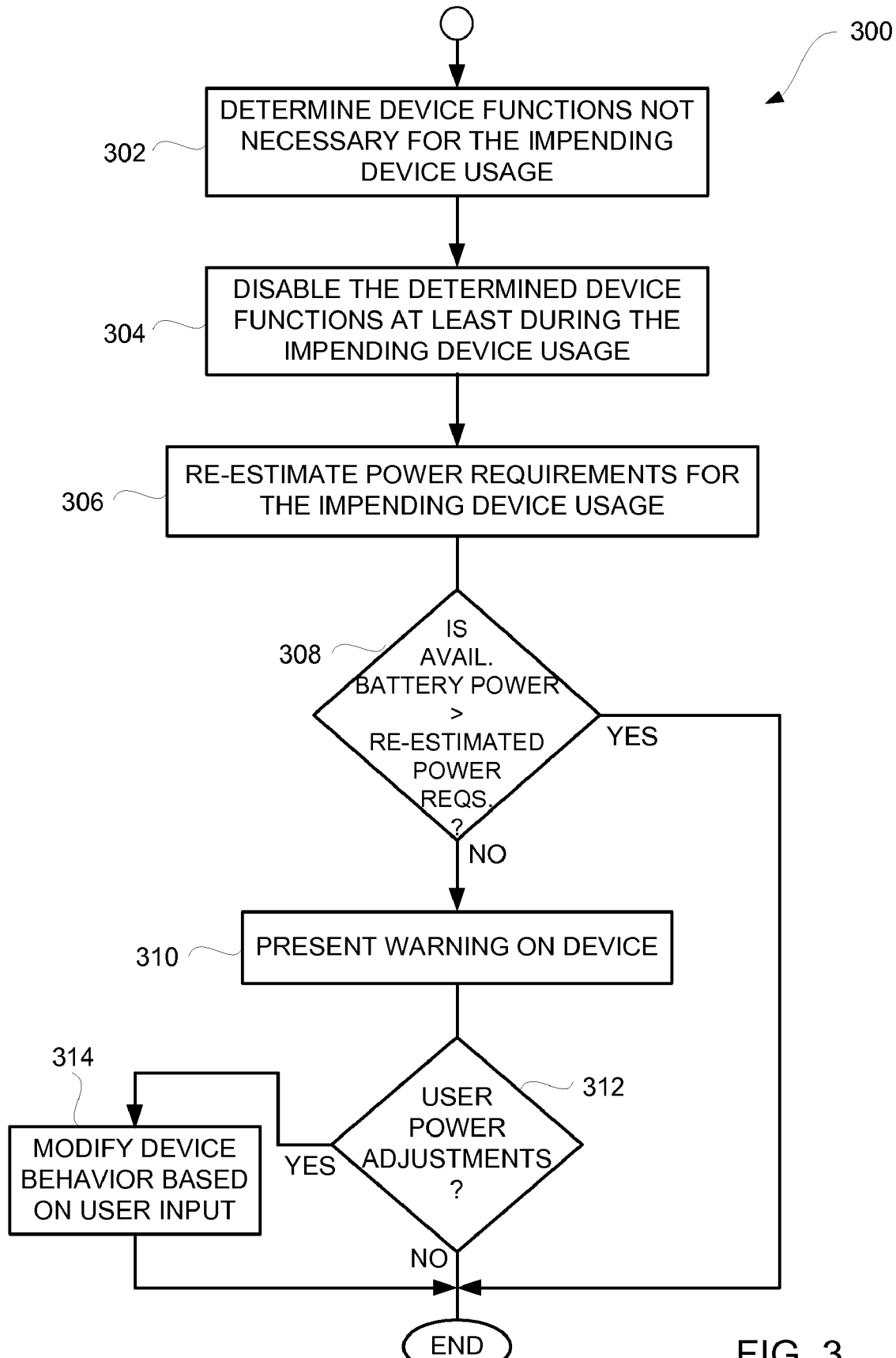


FIG. 3

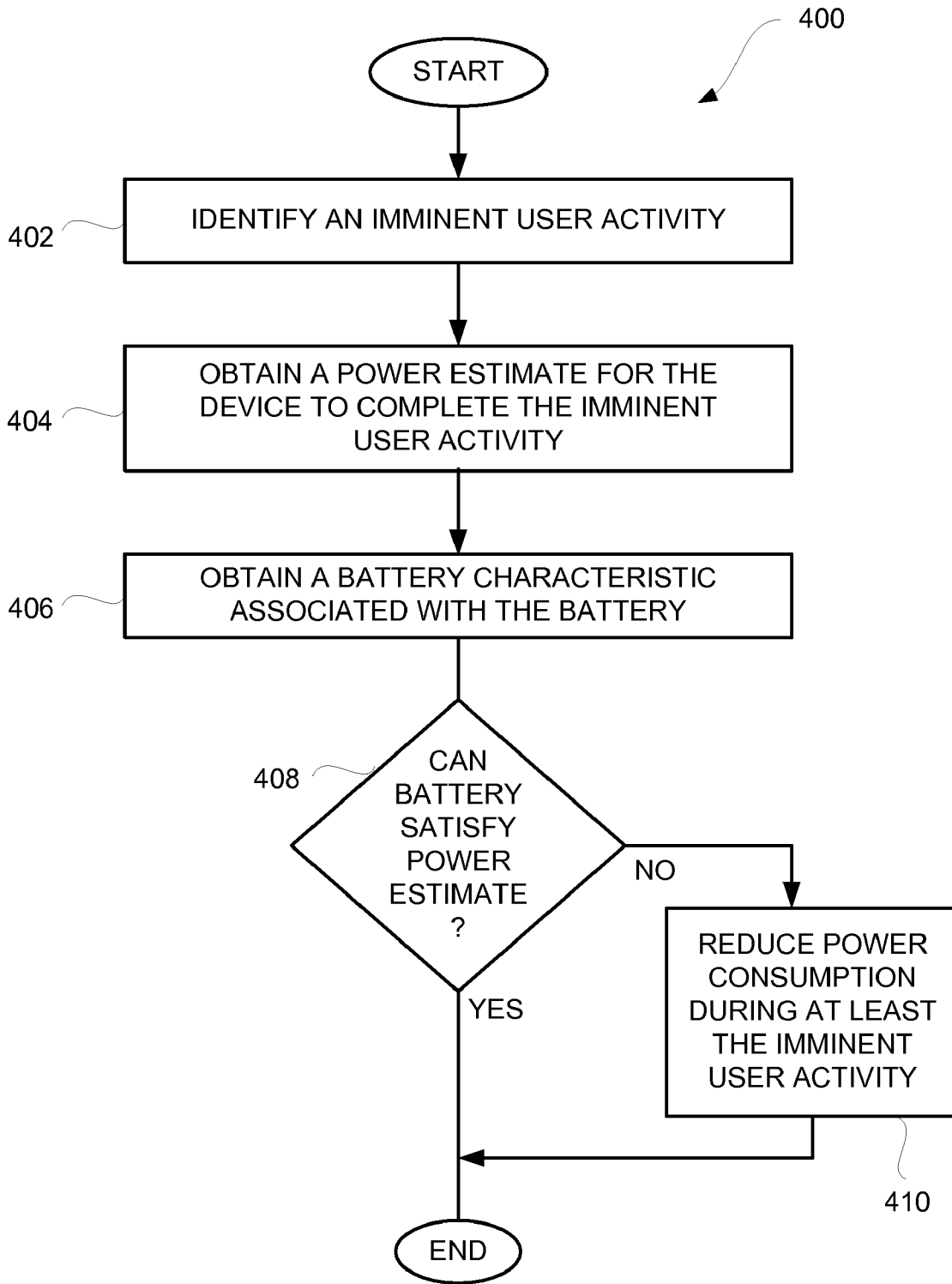


FIG. 4

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