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(54) **HEADSET CHARGE VIA SHORT-RANGE RF COMMUNICATION**

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(57) **ABSTRACT**

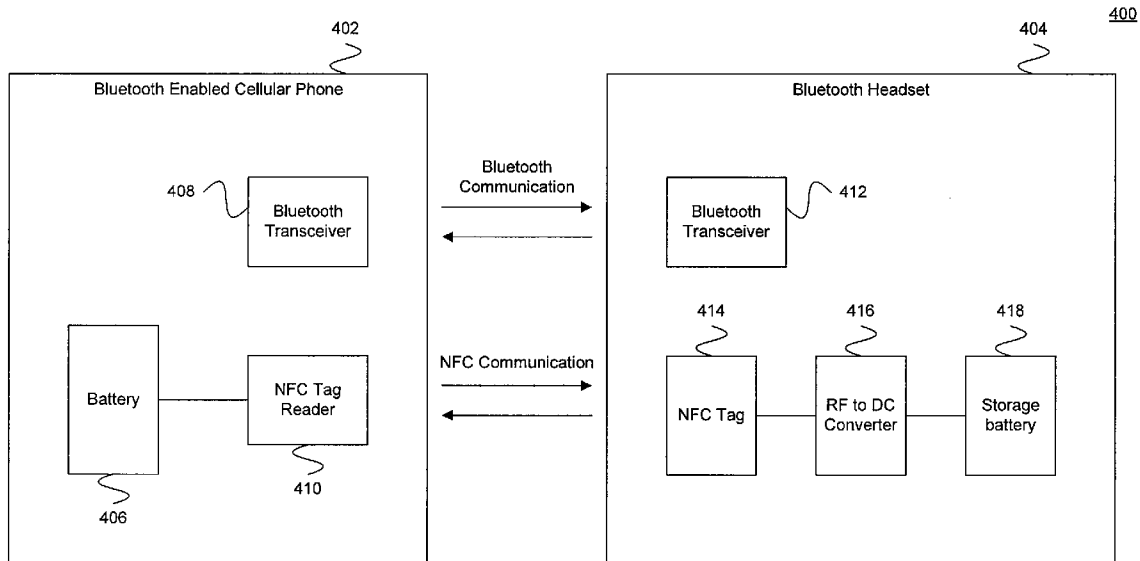
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Embodiments of the present invention enable energy transfer via short-range RF communication between a main device and an associated device, thereby allowing the main device to energy charge the associated device. Accordingly, the need for a separate charger for the associated device can be eliminated. Embodiments of the present invention are suitable for applications in which the main device and the associated device operate in close proximity to each other. Further, embodiments of the present invention are suitable for applications in which the associated device is more energy-constrained than the main device. According to embodiments, energy transfer applications can be supported using near field communication (NFC). In an embodiment, energy transfer via NFC is enabled between a Bluetooth enabled cellular phone and a Bluetooth headset. In another embodiment, energy transfer via NFC is enabled between a Bluetooth enabled digital camera and a Bluetooth enabled digital frame.

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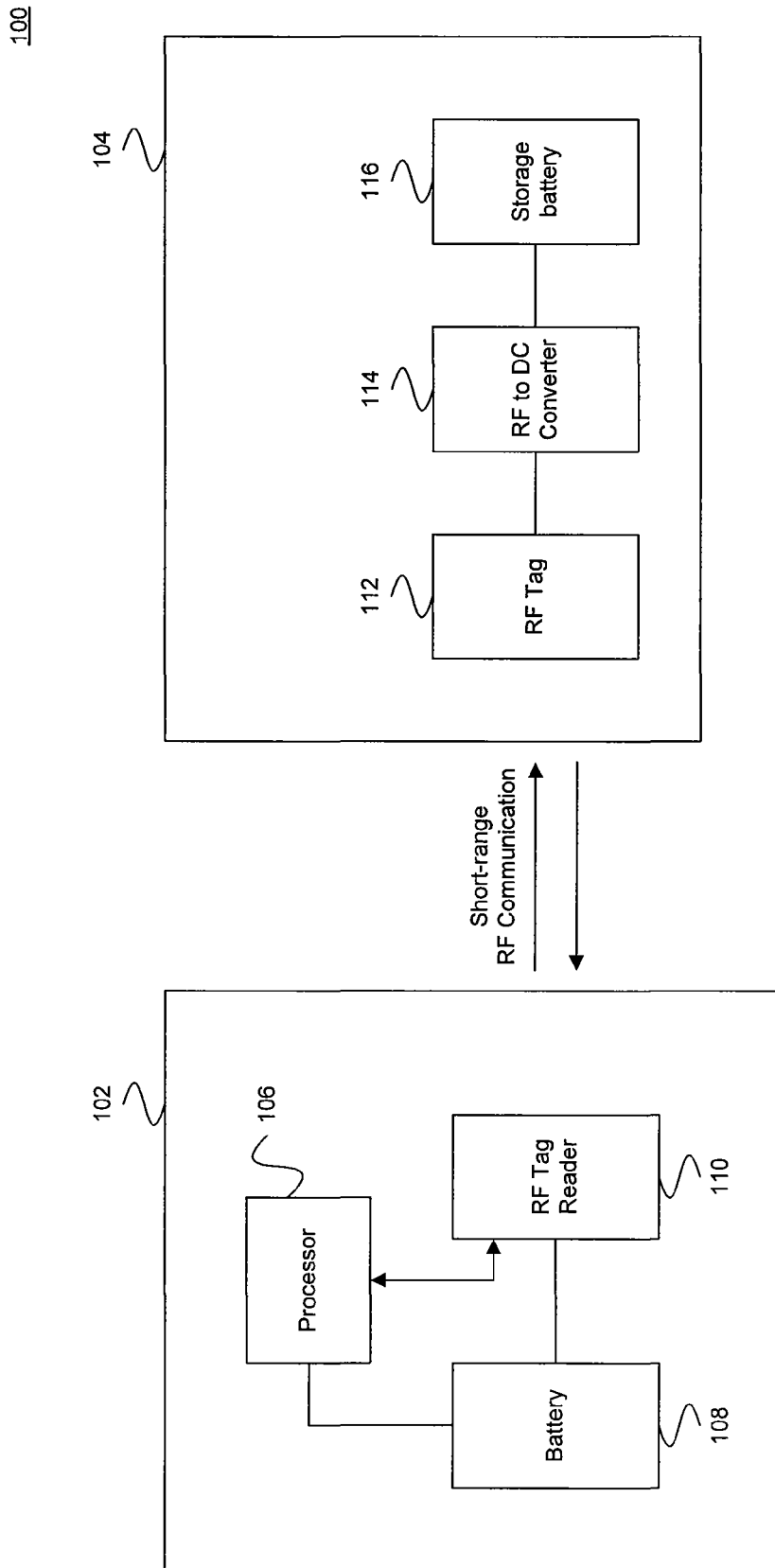


FIG. 1

200

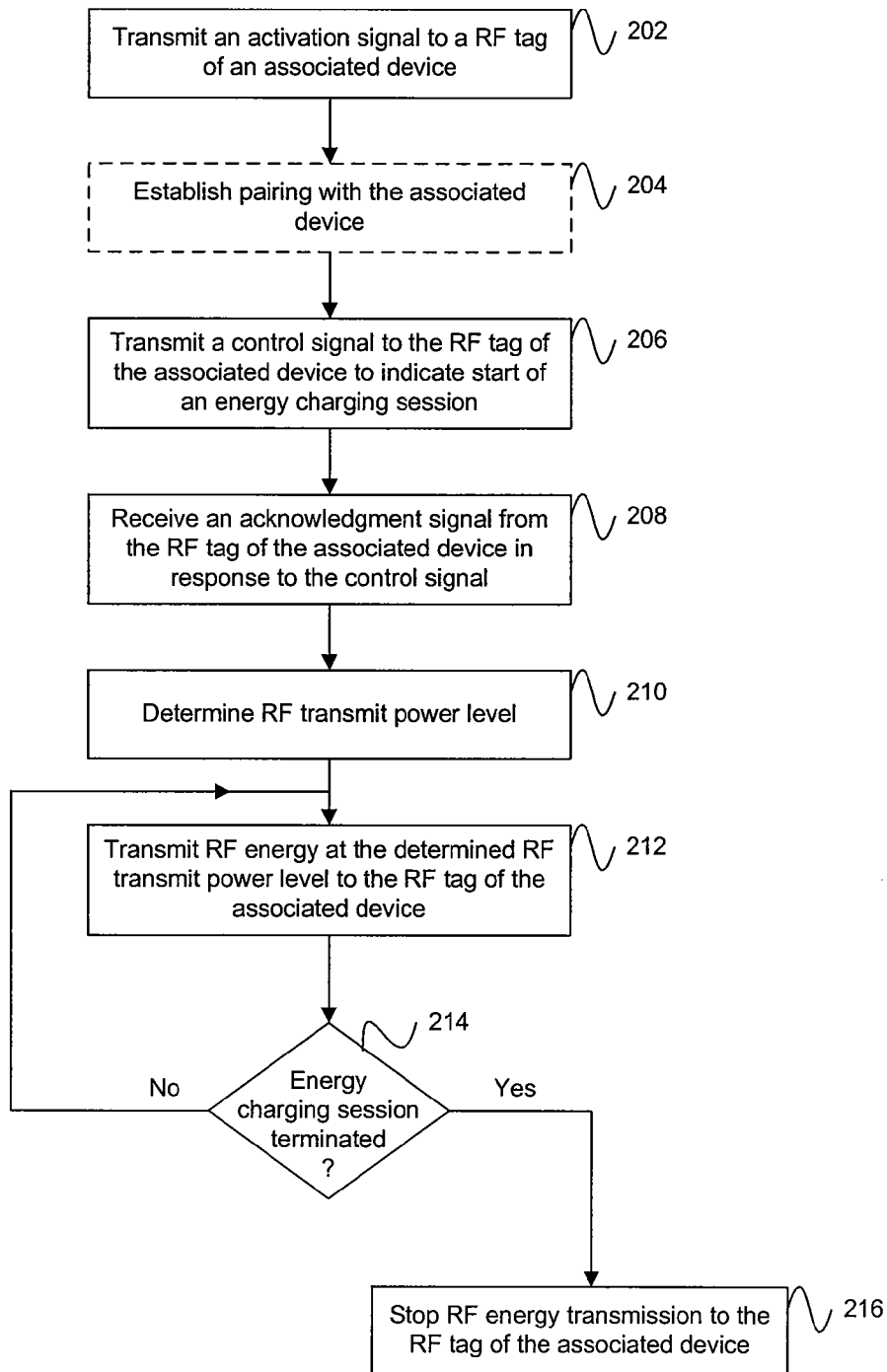


FIG. 2

300

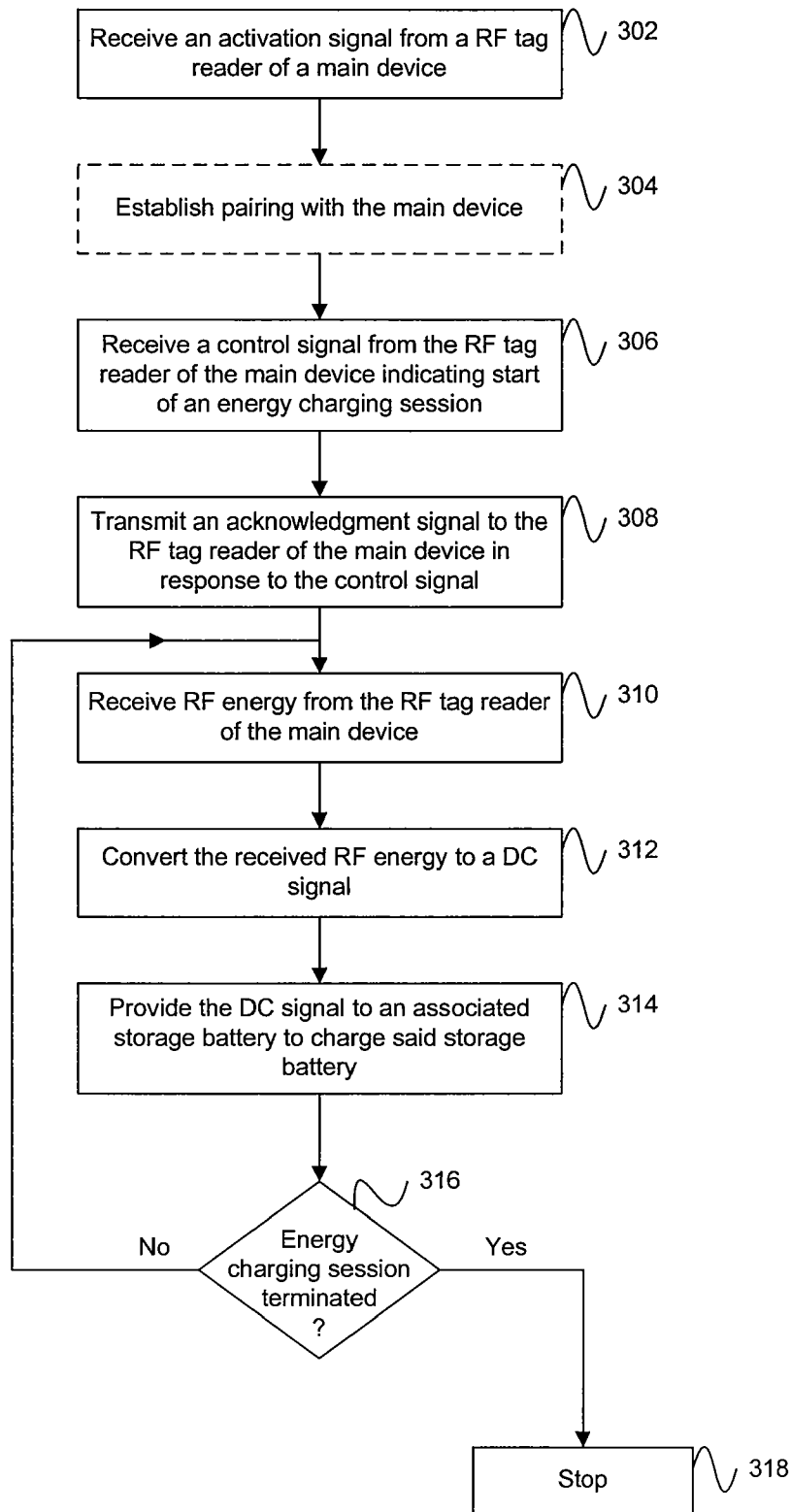


FIG. 3

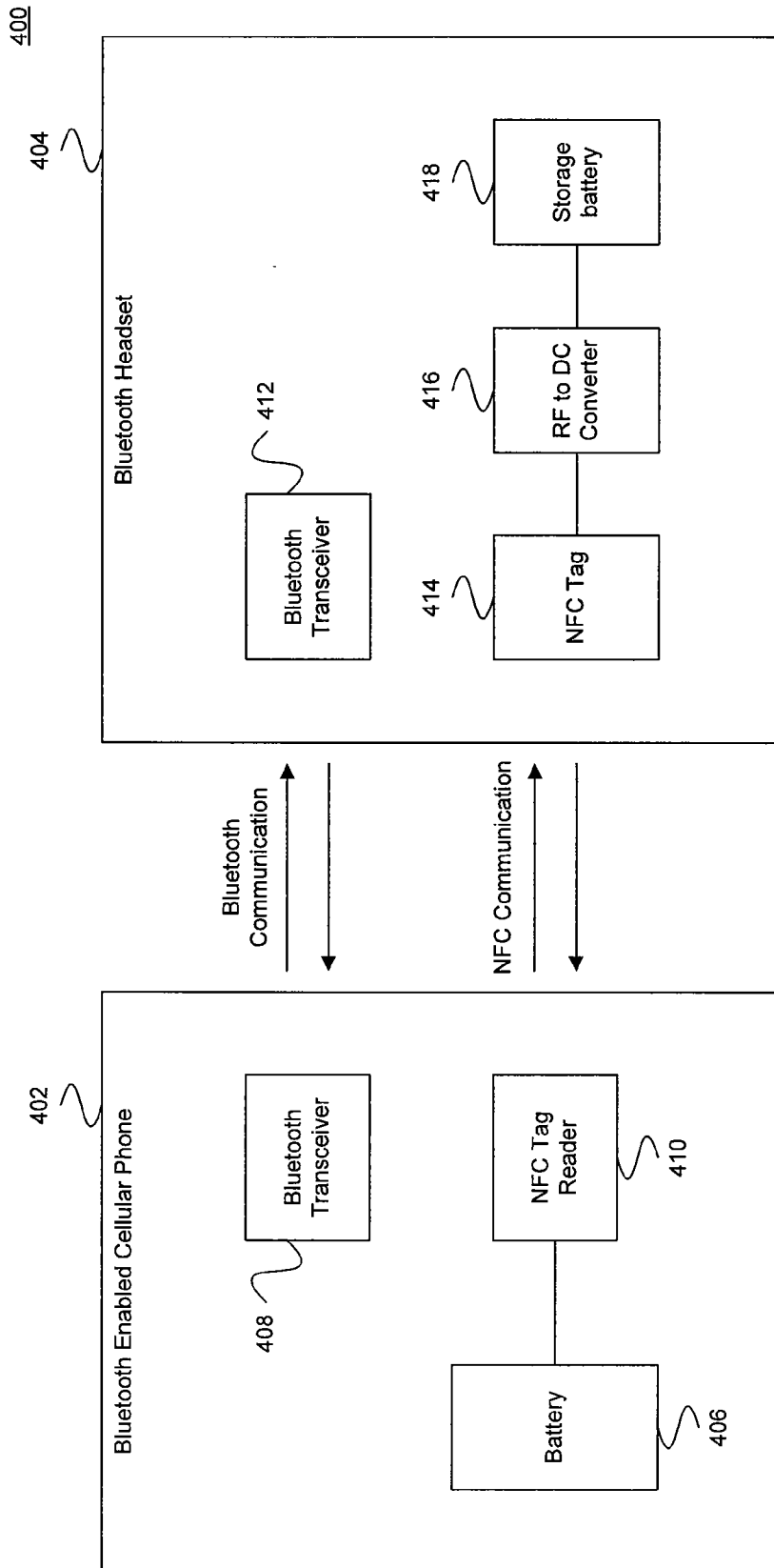


FIG. 4

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