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(54) **POWER SOURCE, CHARGING SYSTEM,
AND INDUCTIVE RECEIVER FOR MOBILE
DEVICES**

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(57) **ABSTRACT**

A power source, charging system, and inductive receiver for mobile devices. A pad or similar base unit comprises a primary, which creates a magnetic field by applying an alternating current to a winding, coil, or any type of current carrying wire. A receiver comprises a means for receiving the energy from the alternating magnetic field and transferring it to a mobile or other device. The receiver can also comprise electronic components or logic to set the voltage and current to the appropriate levels required by the mobile device, or to communicate information or data to and from the pad. The system may also incorporate efficiency measures that improve the efficiency of power transfer between the charger and receiver.

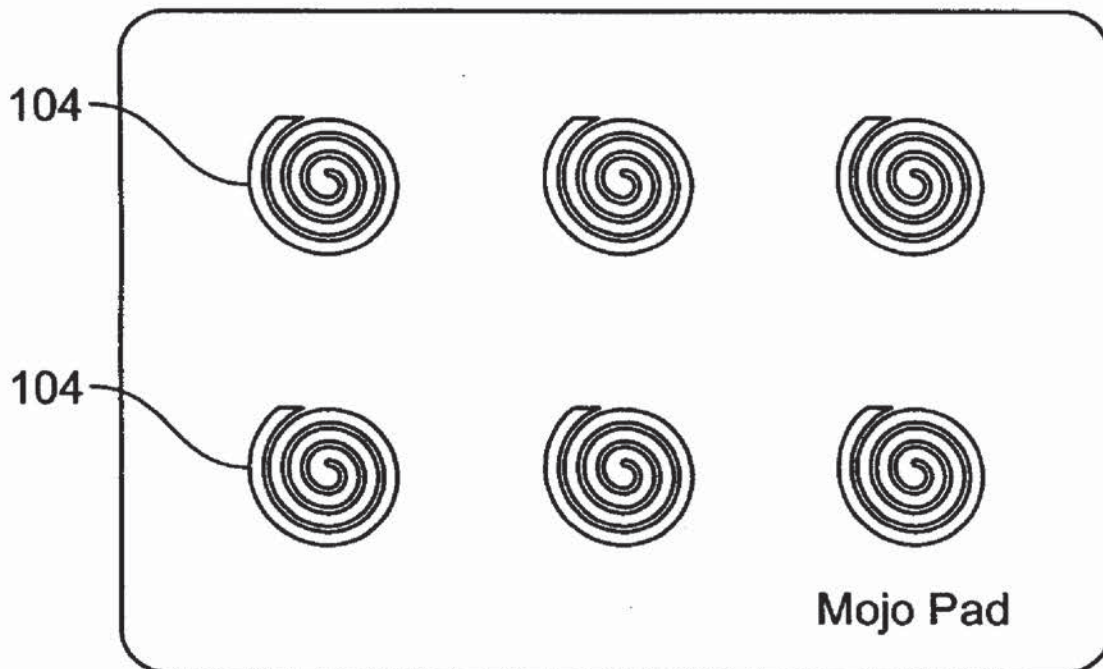
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100 →



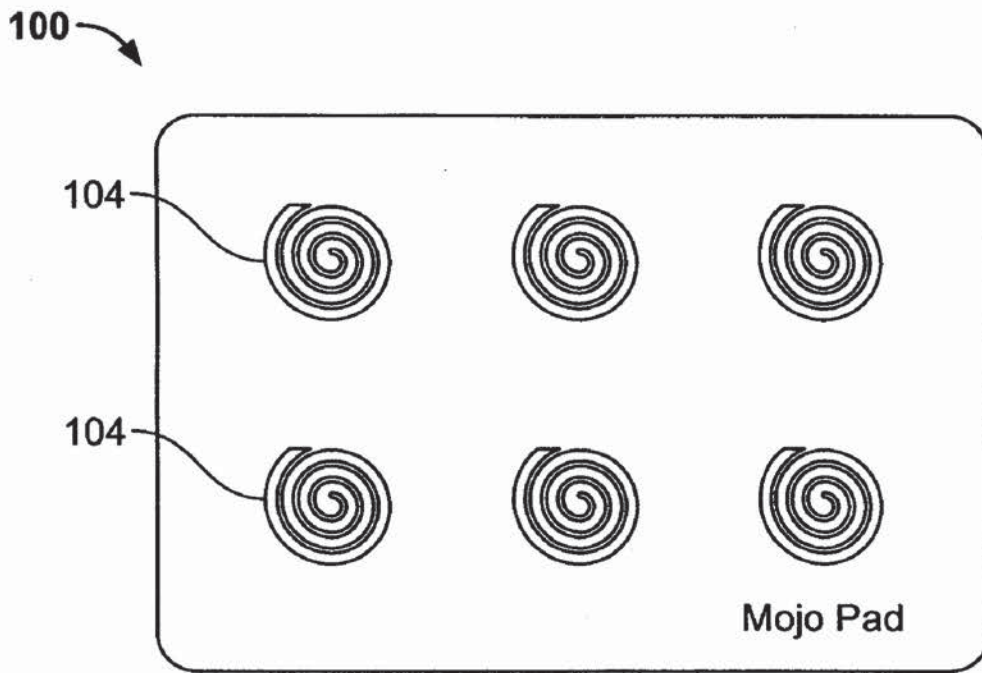


FIG. 1

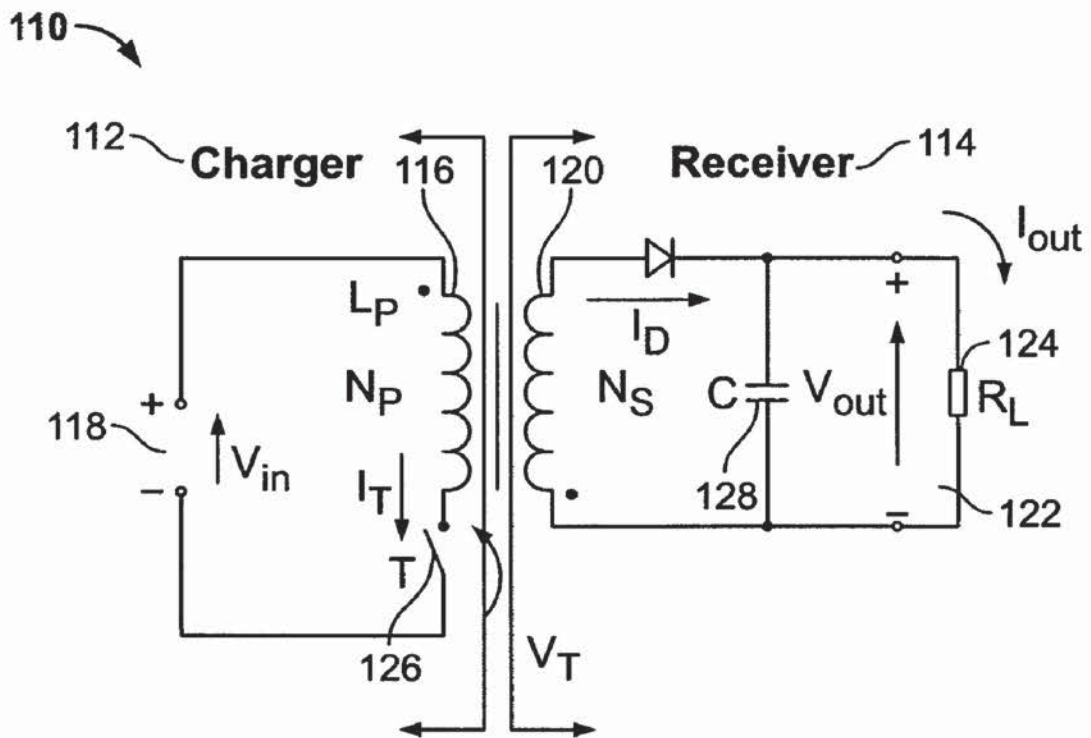


FIG. 2

140 →

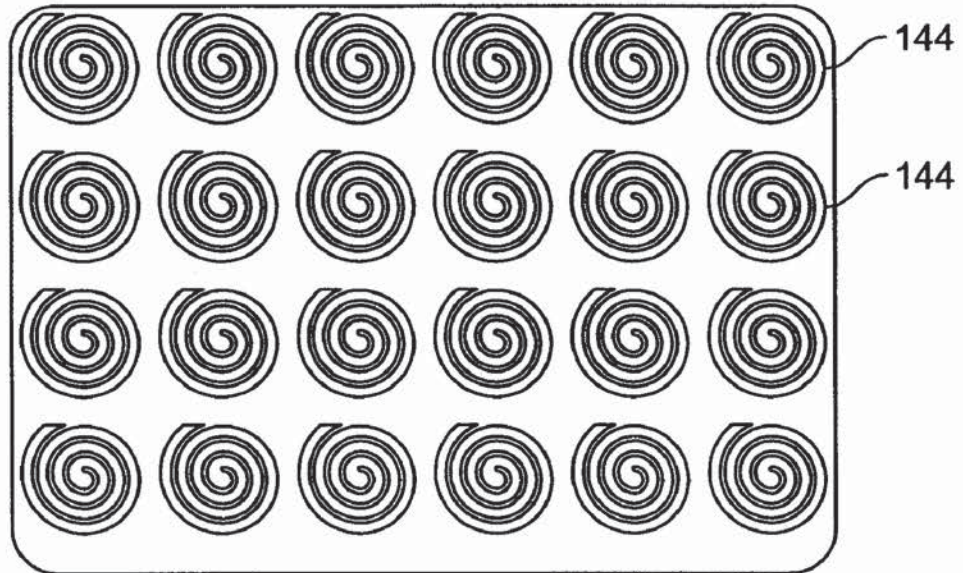


FIG. 3

150 →

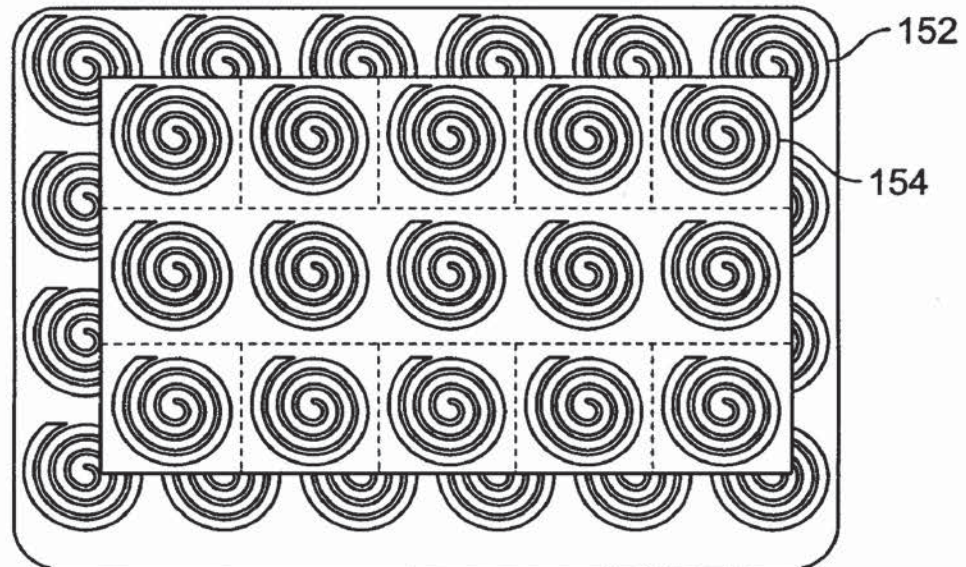


FIG. 4

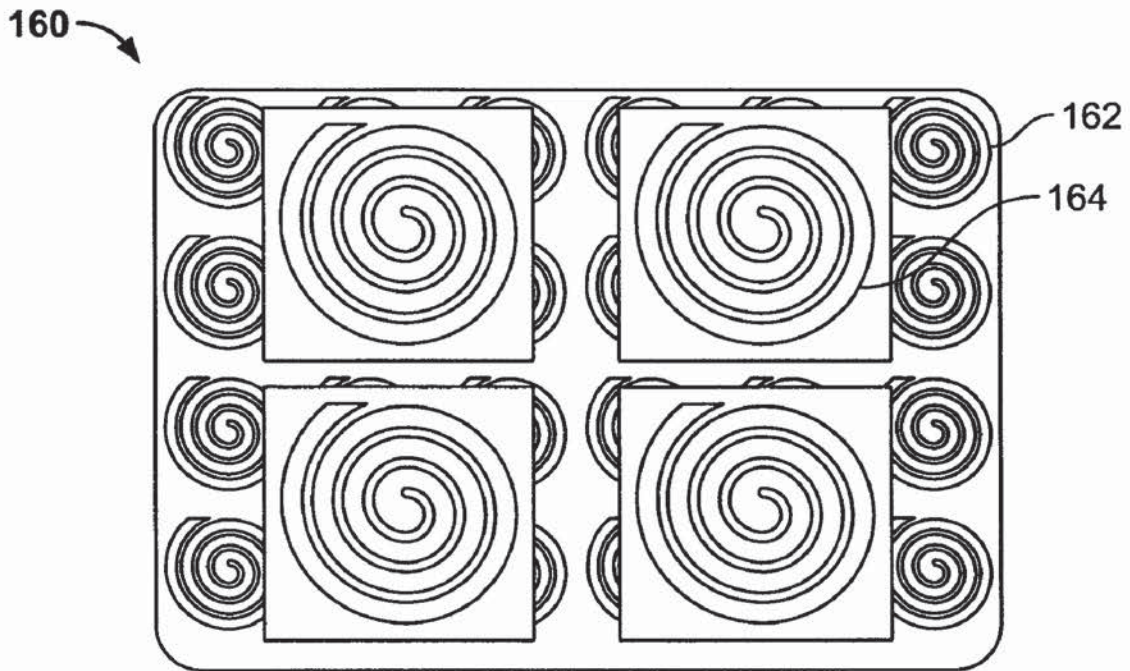


FIG. 5

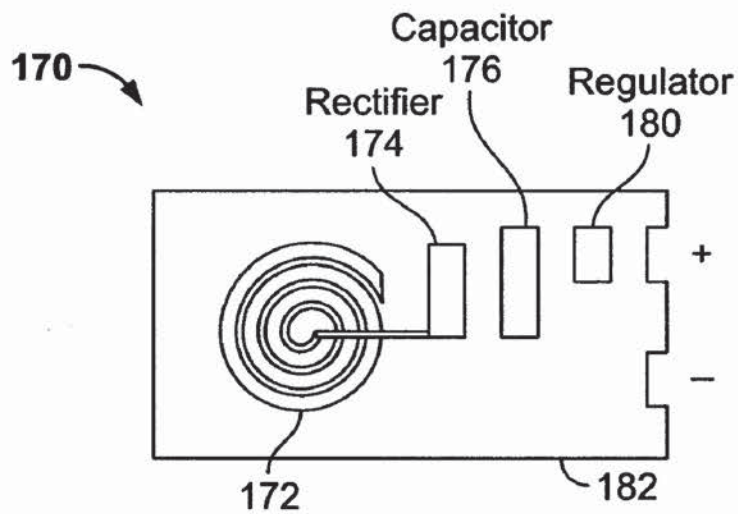


FIG. 6

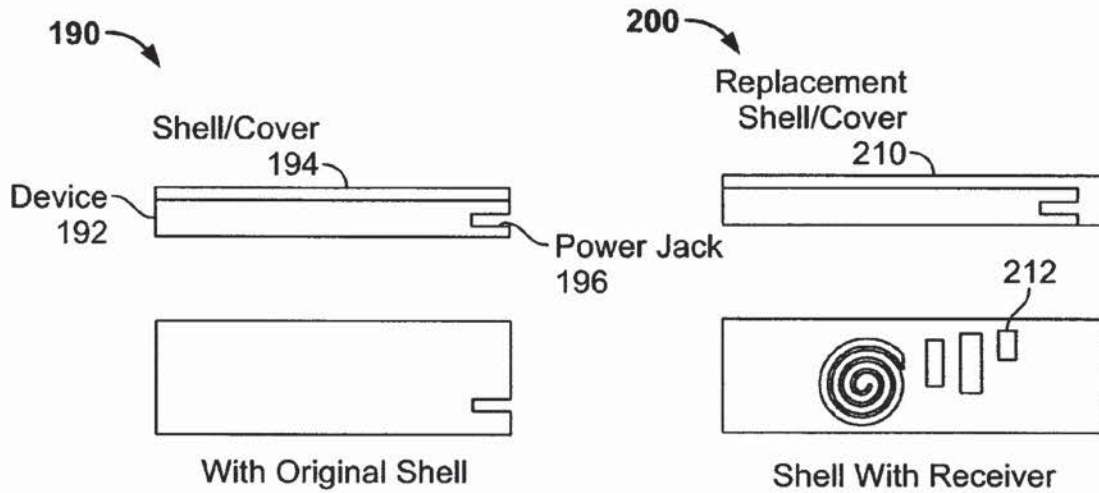


FIG. 7

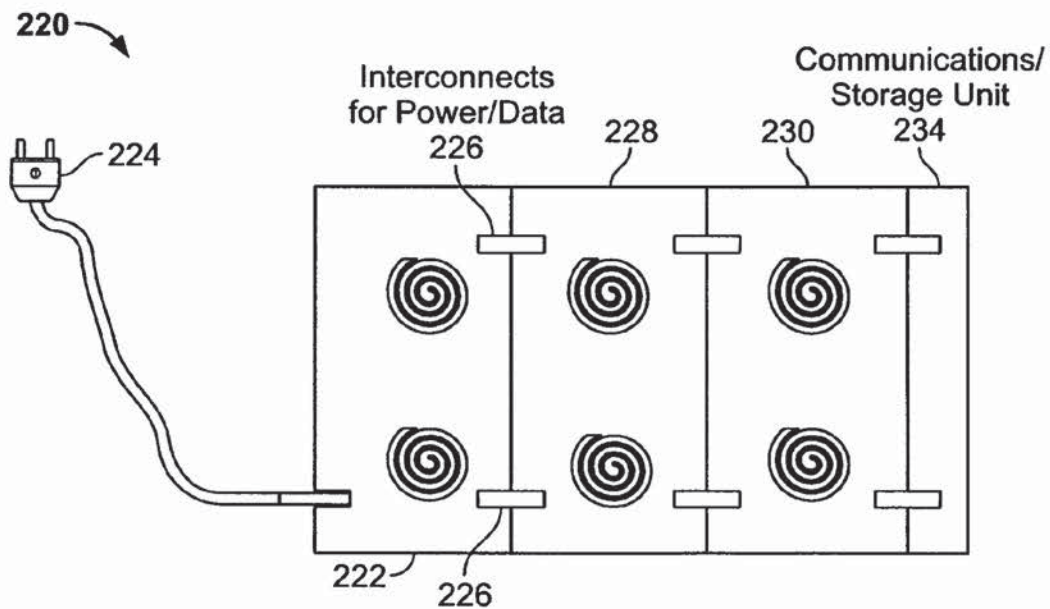


FIG. 8

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