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(54) Title: INDUCTIVE POWER SUPPLY SYSTEM WITH BATTERY TYPE DETECTION

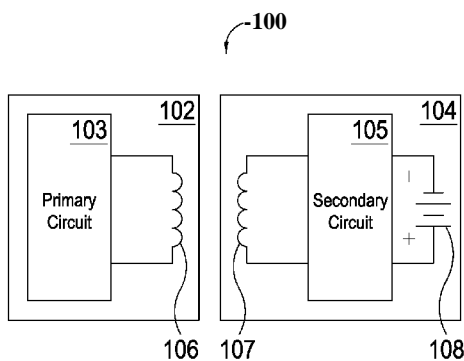


FIG. 1

(57) Abstract: An inductive power supply system (100) to wirelessly charge a remote device (104) based on detected battery characteristics. The system includes an inductive power supply (102) with a primary coil (106) capable of inductively providing power to a secondary coil (107) in a remote device (104). The inductive power supply (102) and remote device (104) include communication means for wirelessly communicating. The system further includes a remote device (104), having a battery (108) with detectable battery characteristics. In operation, the remote device (104) is capable of detecting the battery characteristics by applying a qualification charge to the battery (108). The inductive power supply system (100) is capable of identifying the battery (108) installed in the remote device by analyzing the detected battery characteristics. The inductive power supply system (100) selects an appropriate charging algorithm based on the analyzed characteristics.



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