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(54) **MULTIFUNCTIONAL CHARGER SYSTEM AND METHOD**

(75) Inventors: **Daniel M. Fischer**, Waterloo (CA);
Dan G. Radut, Waterloo (CA);
Michael F. Habicher, Cambridge (CA);
Quang A. Luong, Kitchener (CA);
Jonathan T. Malton, Kitchener (CA)

(73) Assignee: **Research In Motion Limited**, Waterloo (CA)

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(Under 37 CFR 1.47)

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(51) **Int. Cl.**⁷ **H02M 1/00**

(52) **U.S. Cl.** **307/151**

(58) **Field of Search** 307/150, 151;
320/107, 128, 138

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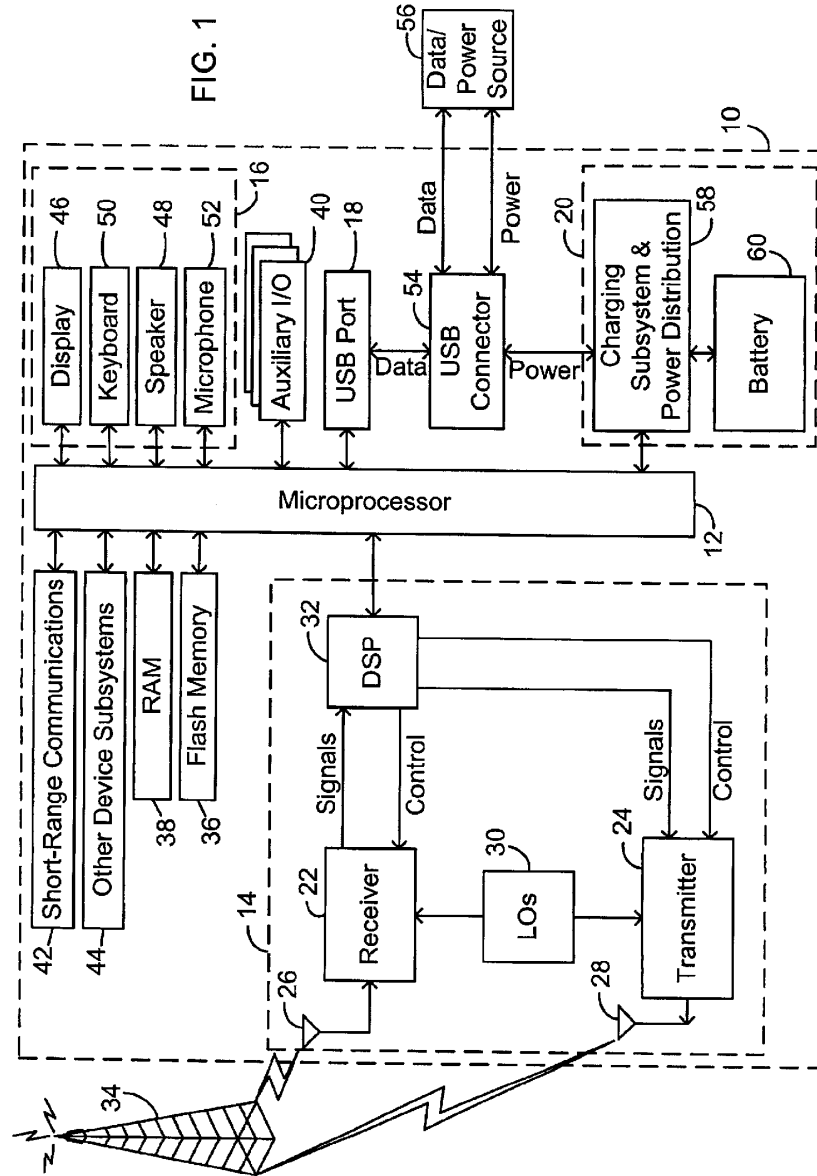
Primary Examiner—Edward H. Tso

(74) *Attorney, Agent, or Firm*—Jones Day; Krishna K. Pathiyal; Robert C. Liang

(57) **ABSTRACT**

An adapter for providing a source of power to a mobile device through an industry standard port is provided. In accordance with one aspect of the invention, the adapter comprises a plug unit, a power converter, a primary connector, and an identification subsystem. The plug unit is operative to coupled the adapter to a power socket and operative to receive energy from the power socket. The power converter is electrically coupled to the plug unit and is operable to regulate the received energy from the power socket and to output a power requirement to the mobile device. The primary connector is electrically coupled to the power converter and is operative to couple to the mobile device and to deliver the outputted power requirement to the mobile device. The identification subsystem is electrically coupled to the primary connector and is operative to provide an identification signal.

104 Claims, 4 Drawing Sheets



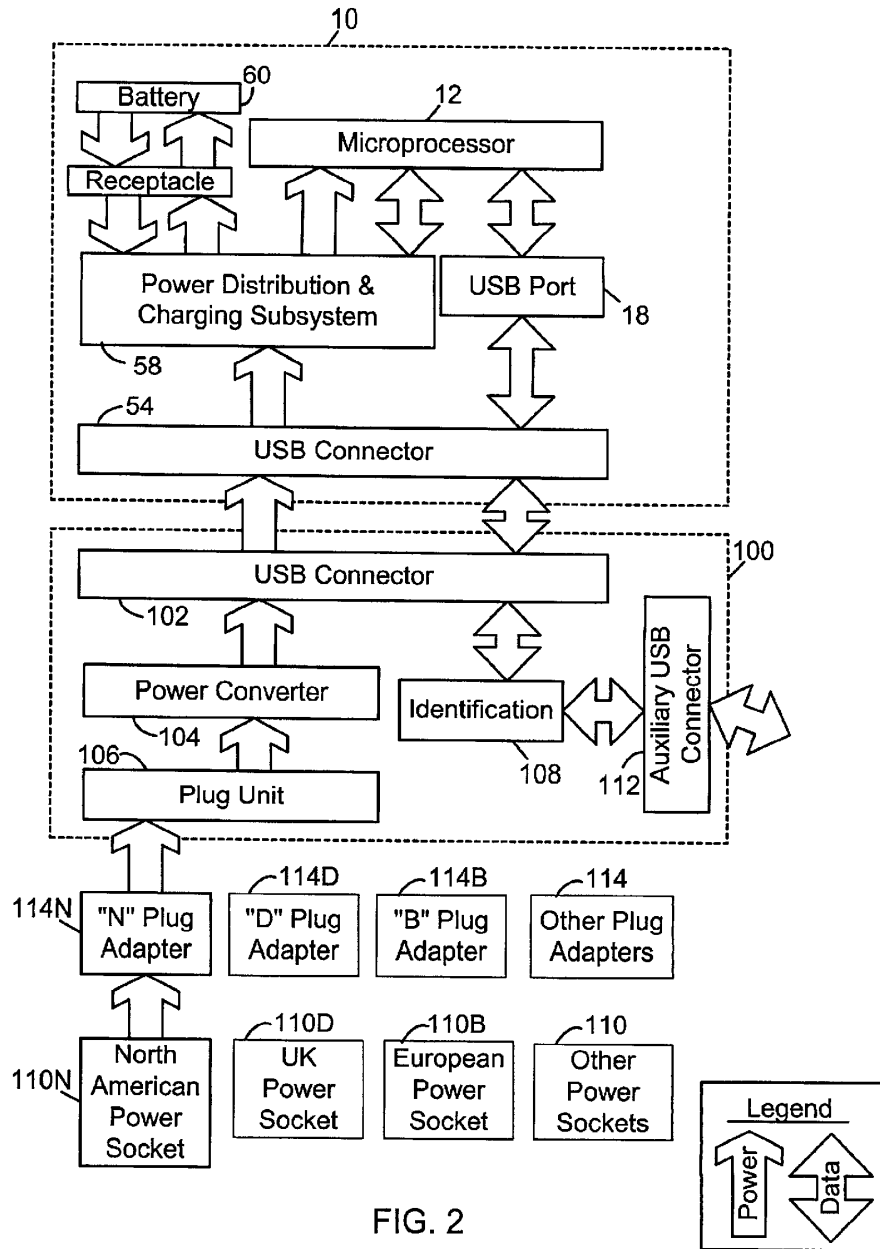


FIG. 2

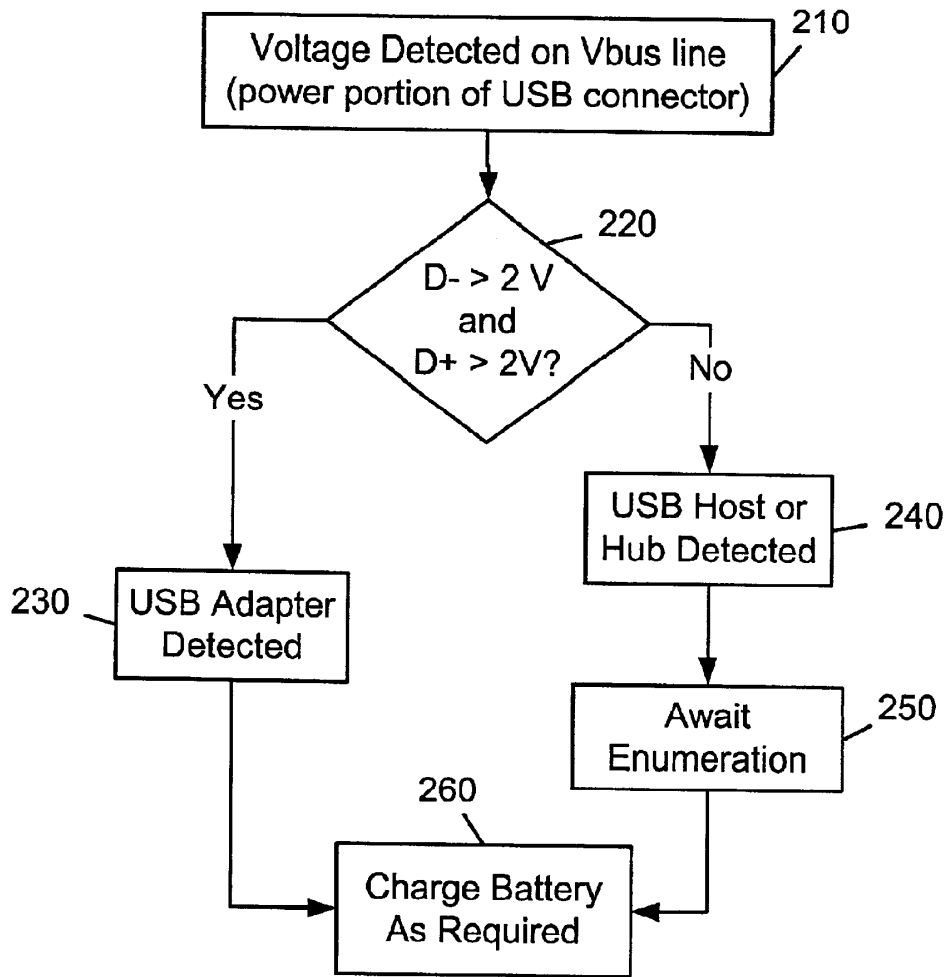


FIG. 3

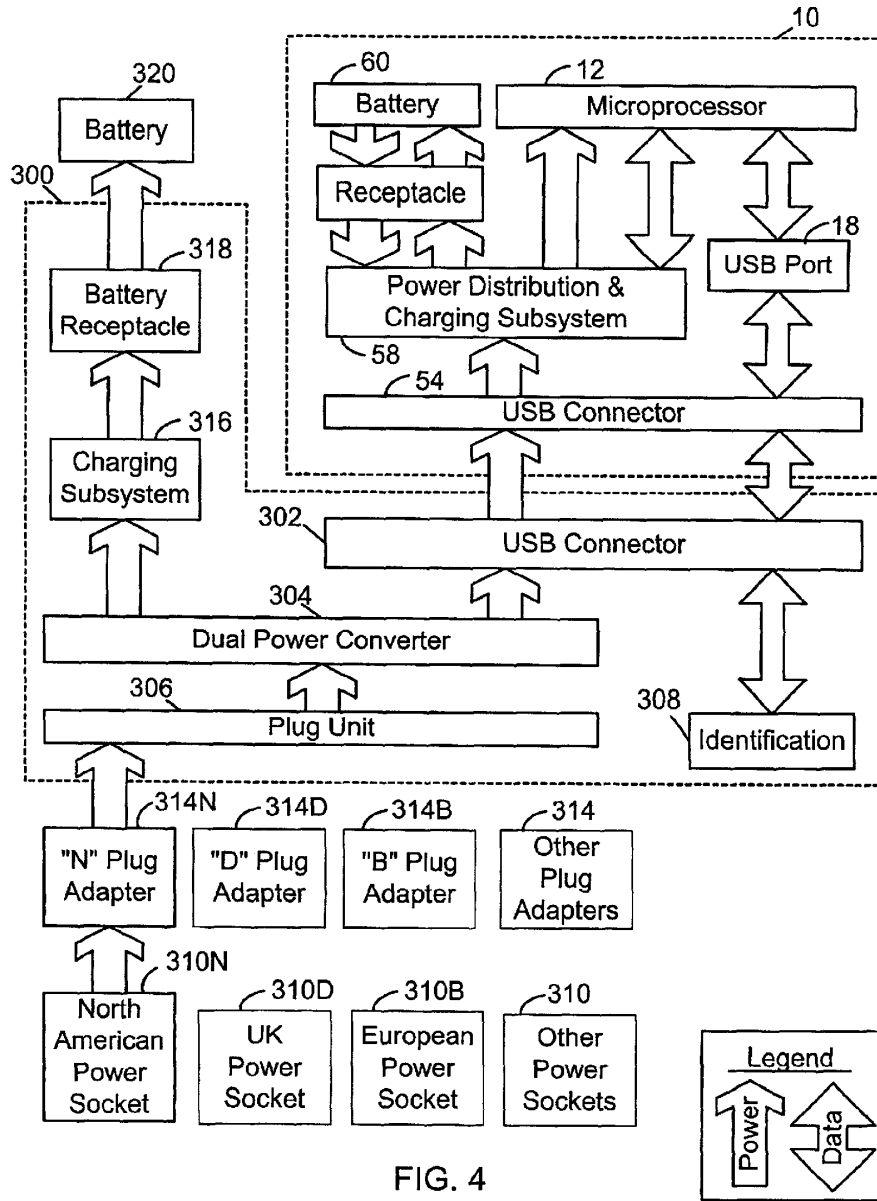


FIG. 4

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