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Kerai et al.

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(54) **BATTERY CHARGING**

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(30) **Foreign Application Priority Data**

May 26, 2000 (GB) 0012946

- (51) **Int. Cl.⁷** **H02J 7/00**
- (52) **U.S. Cl.** **320/107**
- (58) **Field of Search** 320/106, 107, 320/110

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Primary Examiner—Edward H. Tso

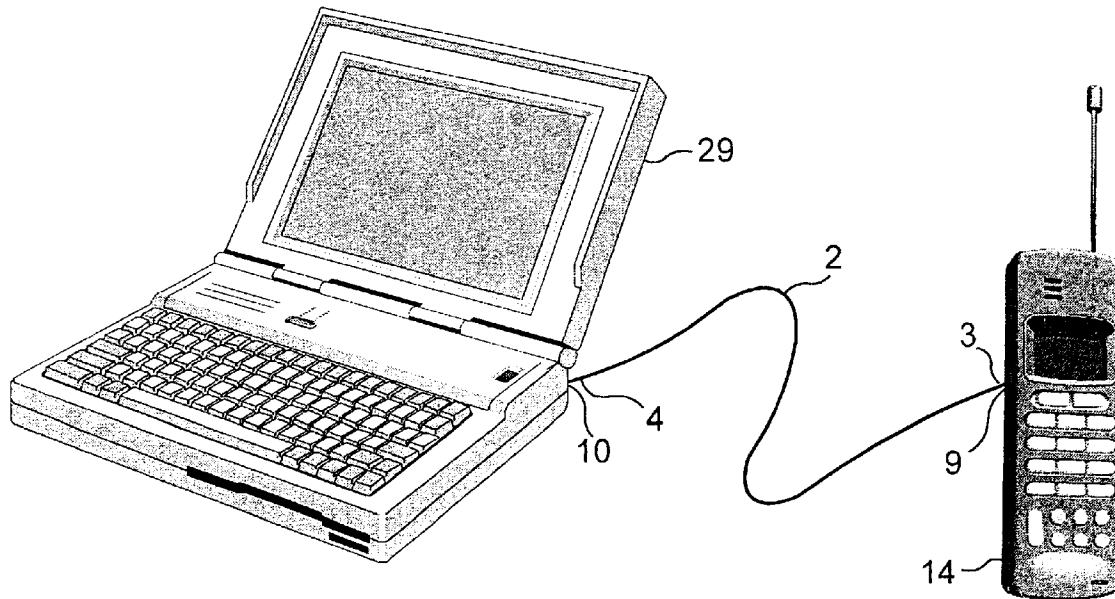
Assistant Examiner—Pia Tibbits

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(57) **ABSTRACT**

A battery charging circuit is described in which power is derived from a communications port such as a USB interface (22) and is supplied to a rechargeable battery of a communications device. The communications device, which may be a mobile radio telephone, can be charged from the power supply or internal battery of a laptop computer equipped with a USB port and connected thereto with a suitable cable thereby avoiding the need for a user to carry a dedicated battery charger for the radio telephone.

44 Claims, 6 Drawing Sheets



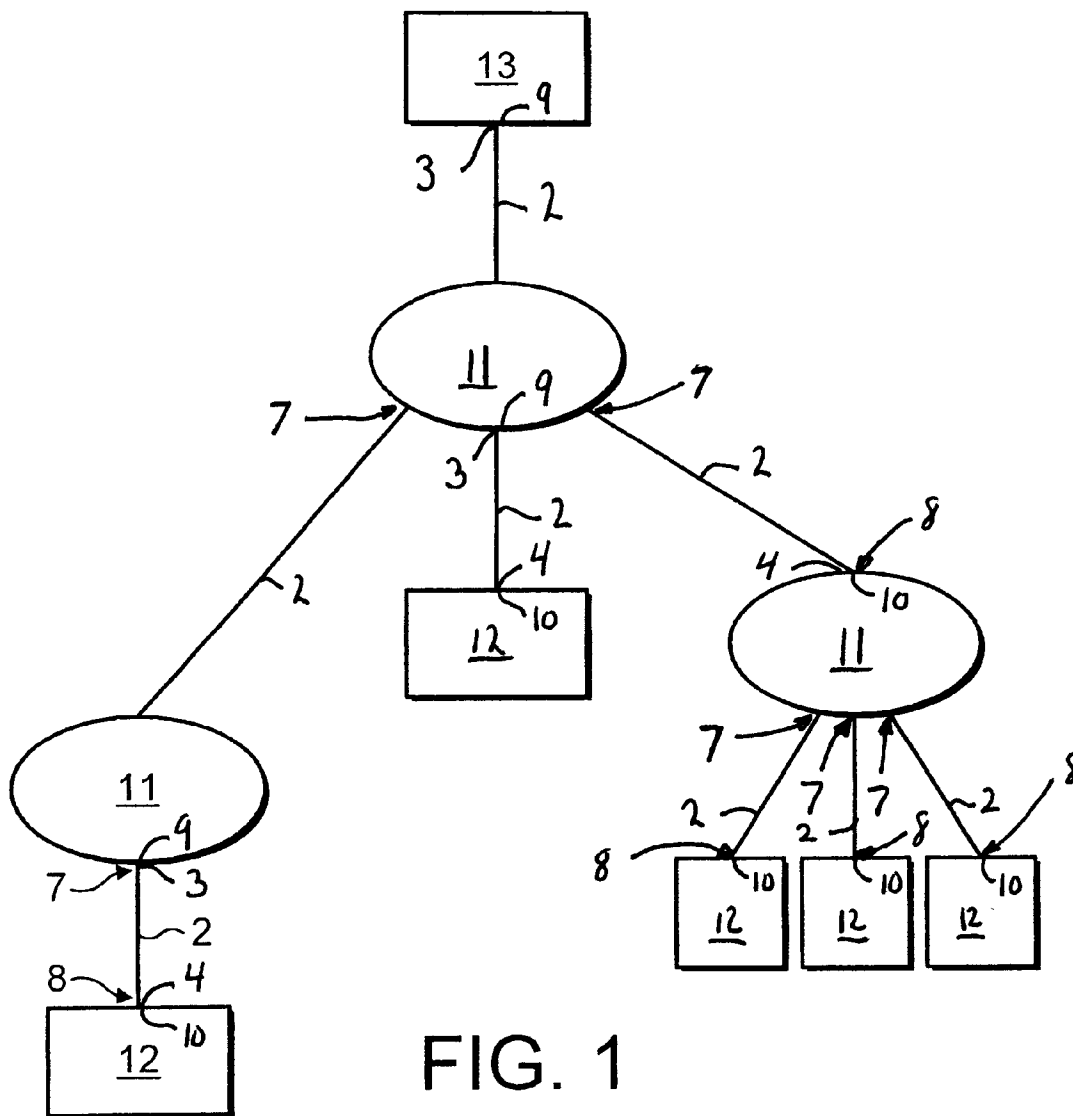


FIG. 1

(PRIOR ART)

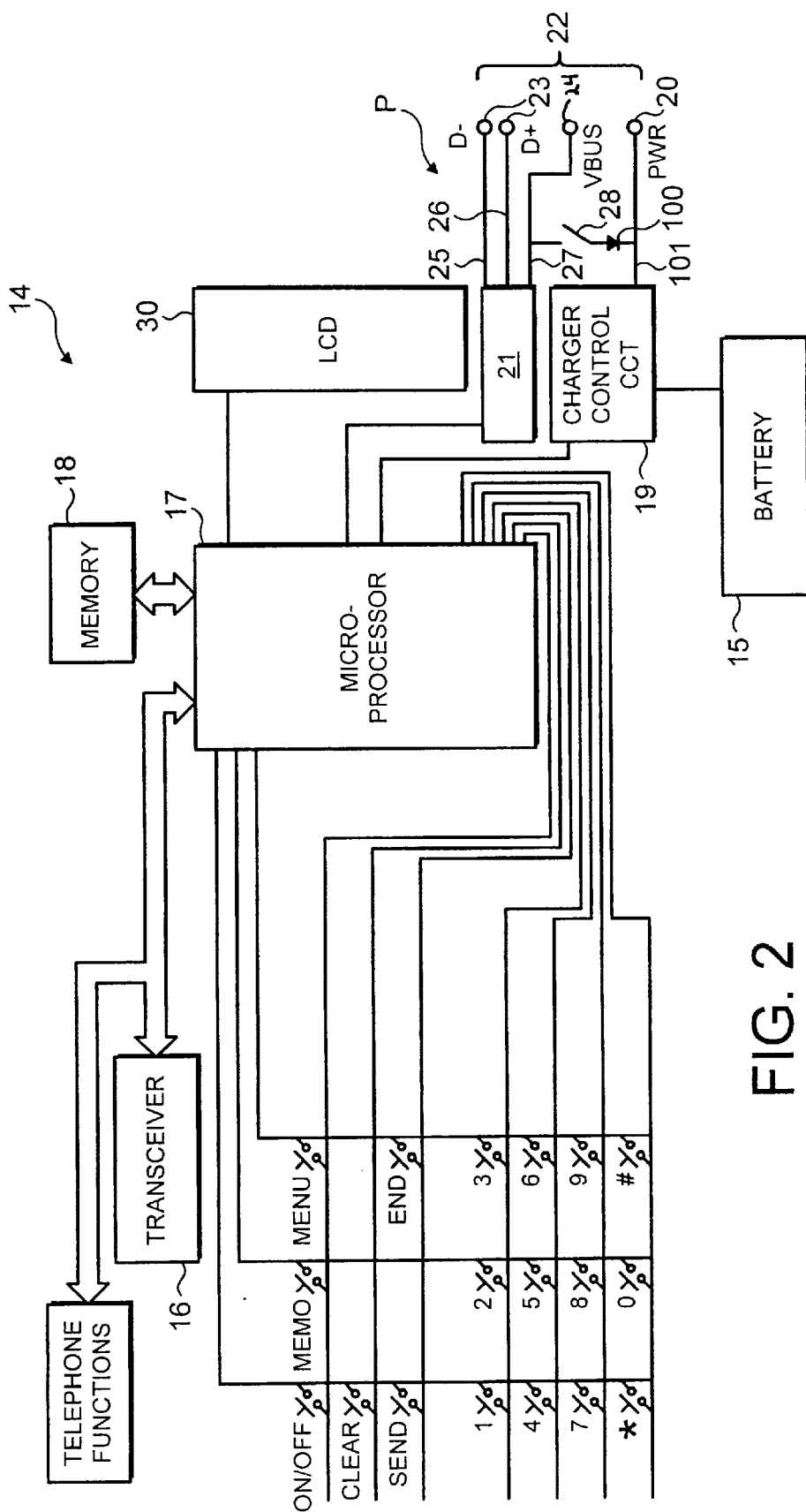


FIG. 2

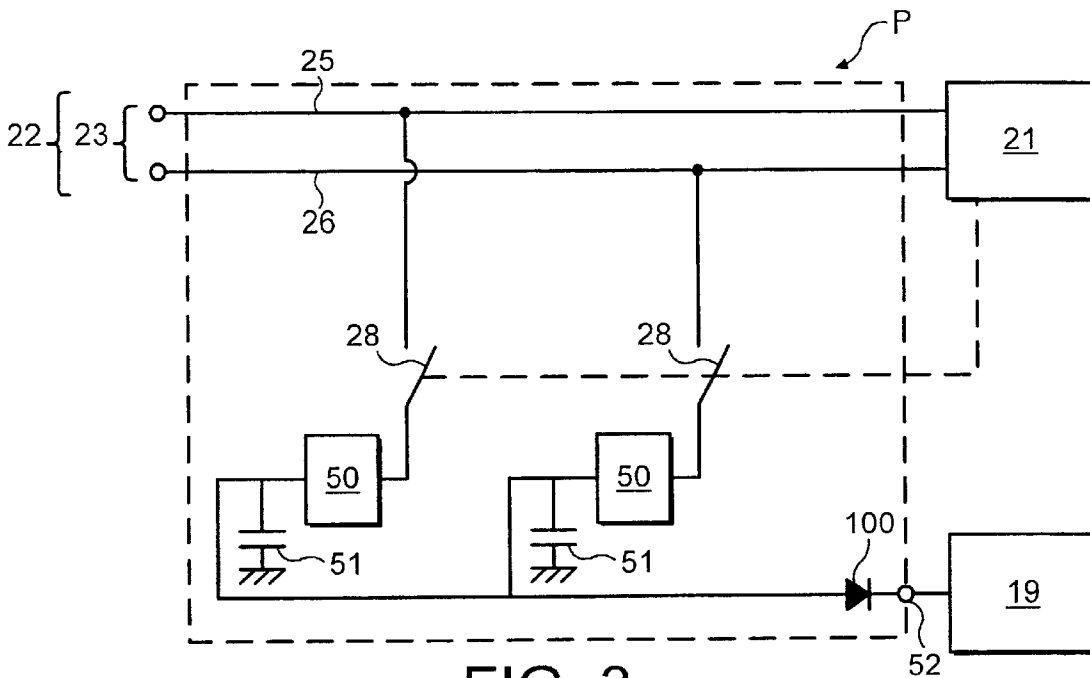


FIG. 3

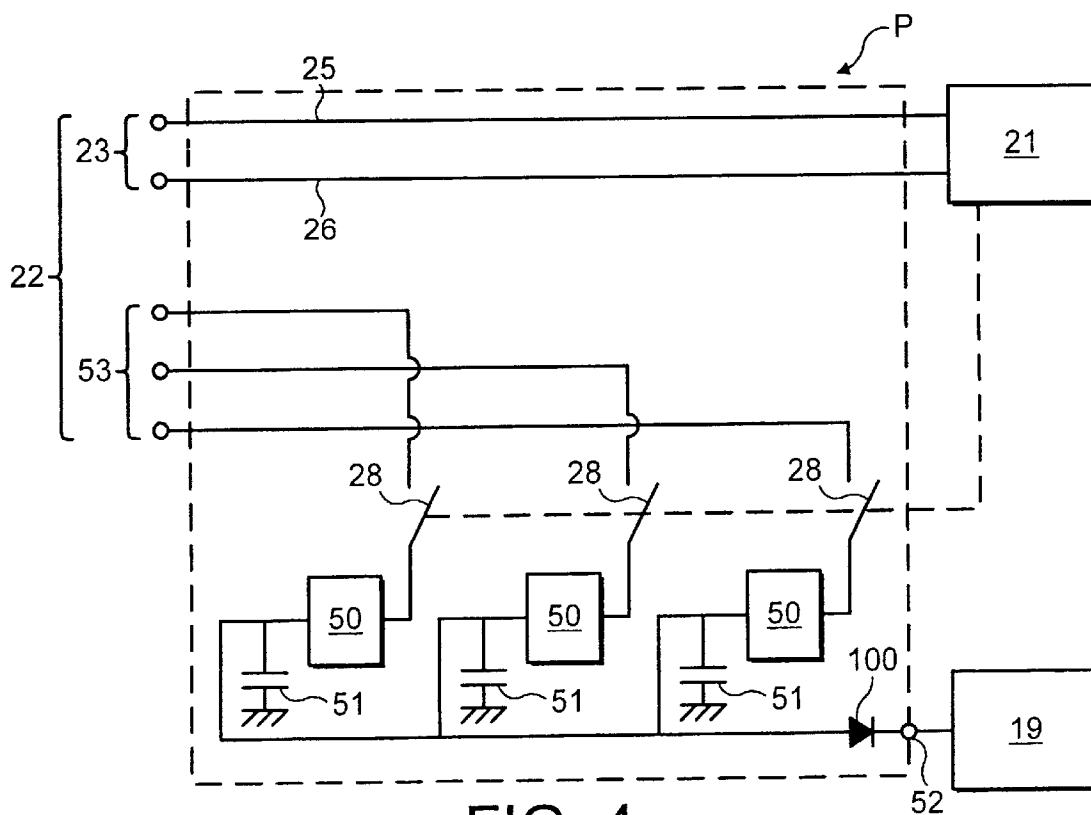


FIG. 4

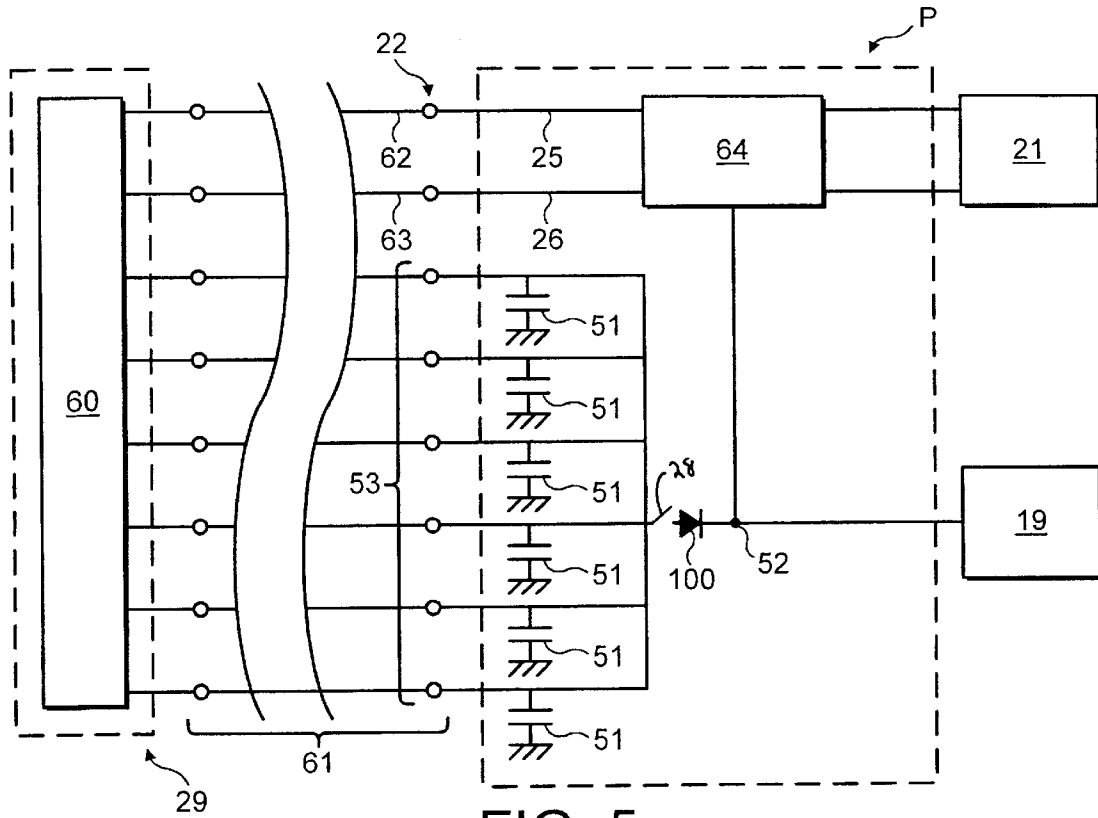


FIG. 5

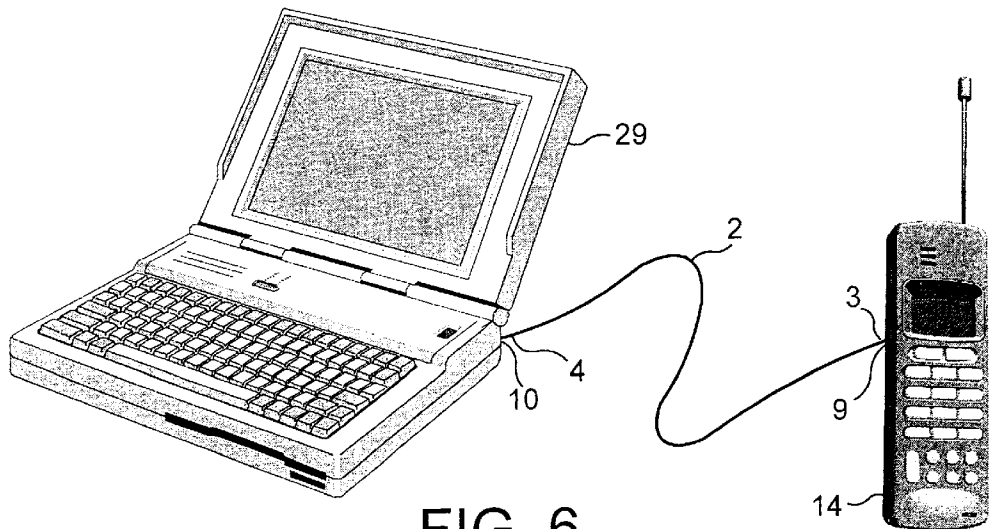


FIG. 6

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