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(12) United States Patent Kerai et al.

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(54)	BATTERY CHARGING					
(75)	Inventors: Kanji Kerai, London (GB); Kalle Tuulos, Turku (FI)					
(73)	Assignee:	Nokia Mobile Phones Limited, Espoo (FI)				
(*)	Notice:	Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.				
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	U.S. Cl. 320/107					
	Field of Search					
(56)	References Cited					
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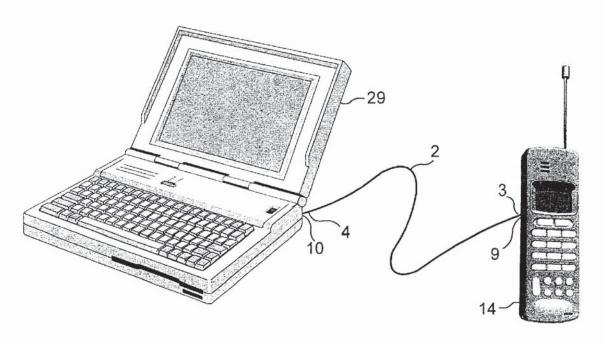
Primary Examiner—Edward H. Tso Assistant Examiner—Pia Tibbits

(74) Attorney, Agent, or Firm—Antonelli, Terry, Stout & Kraus, LLP

(57) ABSTRACT

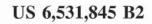
A battery charging circuit is described in which power is derived from a communications port such as a USB interface (22) and is supplied to a rechargeable battery of a communications device. The communications device, which may be a mobile radio telephone, can be charged from the power supply or internal 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.

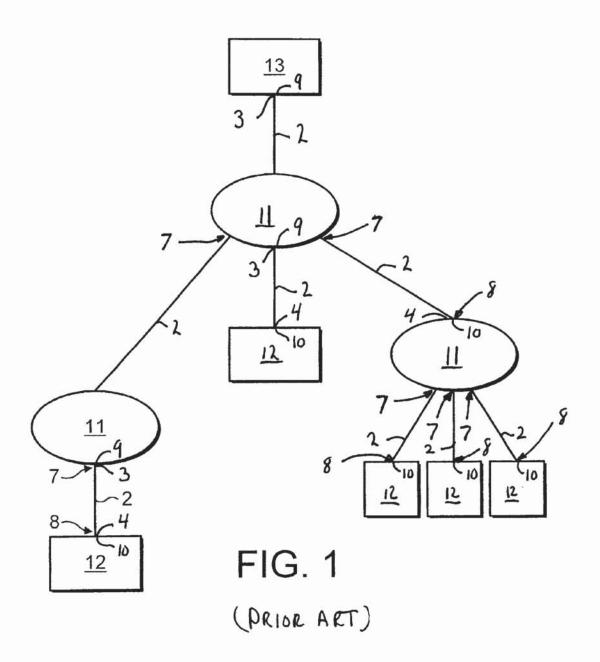
44 Claims, 6 Drawing Sheets

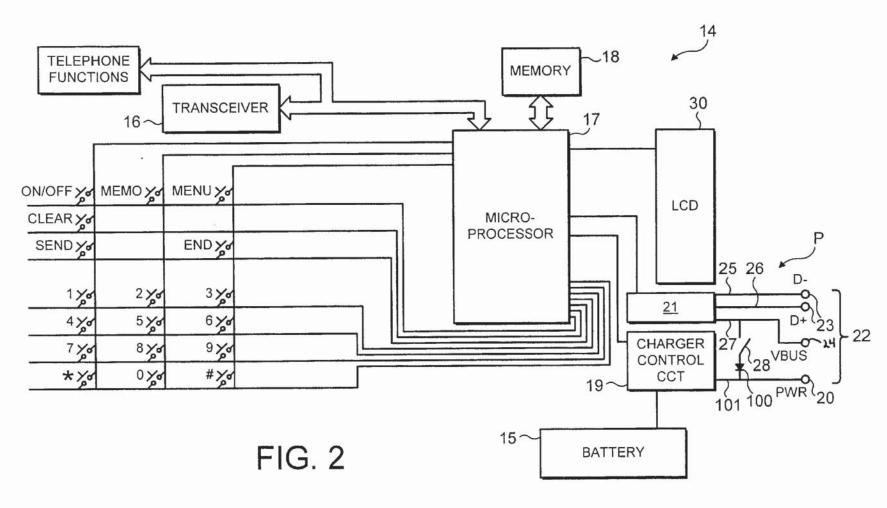


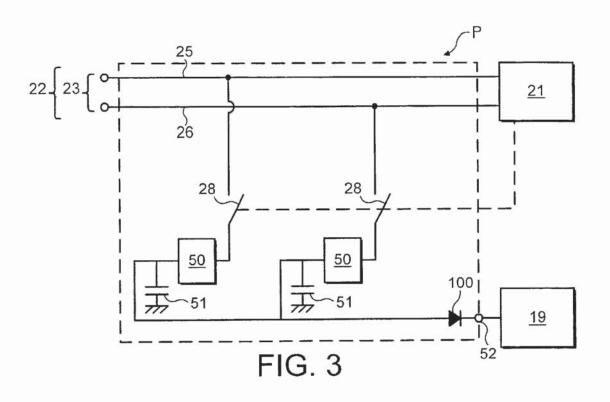


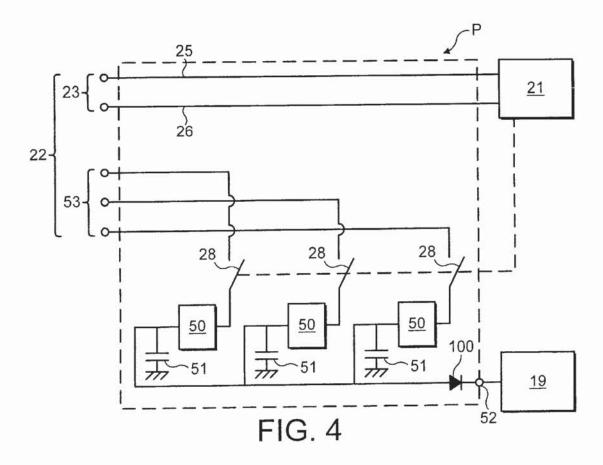
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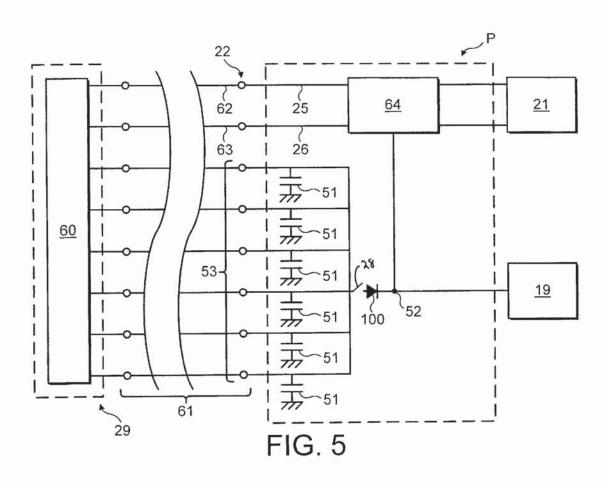


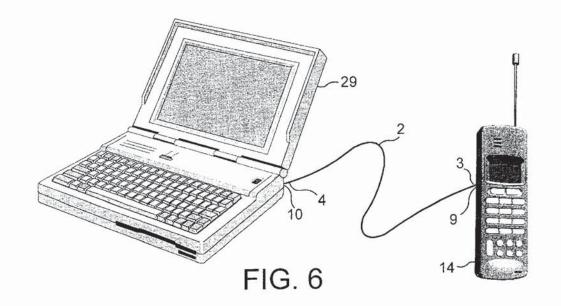






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