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(12) United States Patent Kerai et al.

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(54)	BATTERY CHARGING			
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(58)	Field of S	earch 320/106, 107, 320/110		
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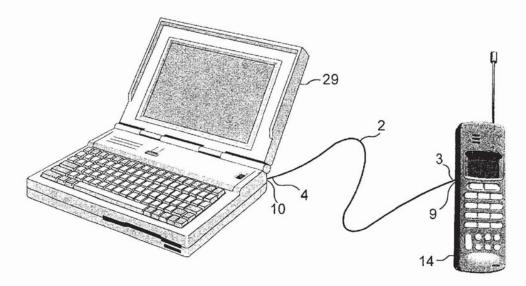
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(57) ABSTRACT

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.

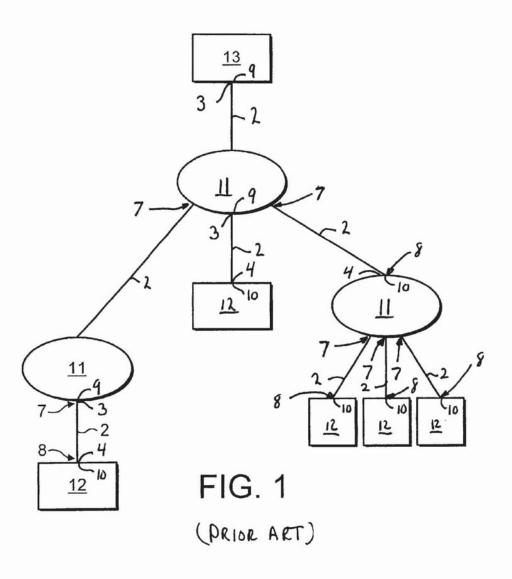
44 Claims, 6 Drawing Sheets

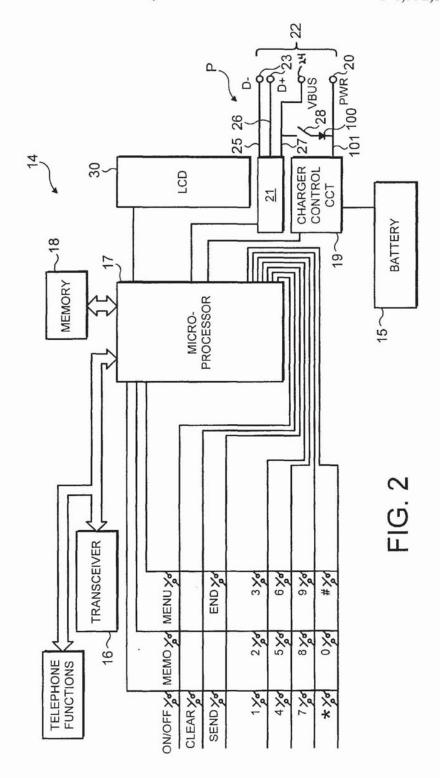


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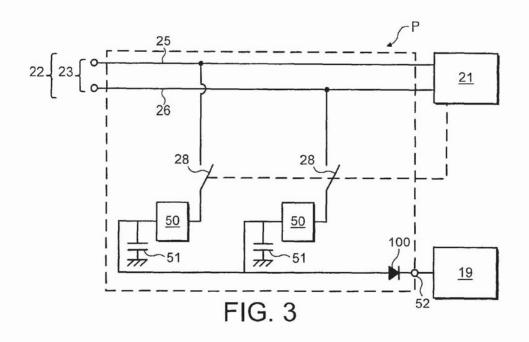


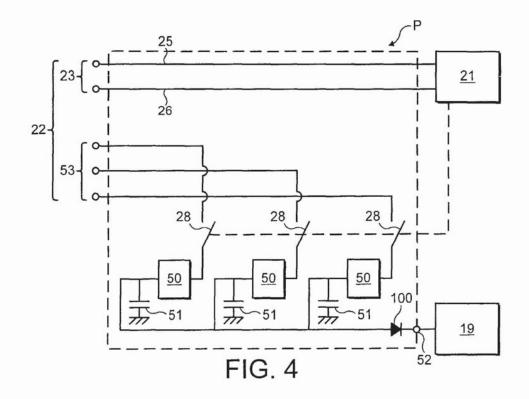
Mar. 11, 2003



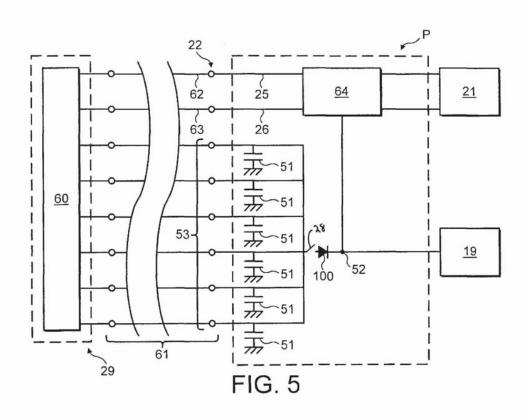


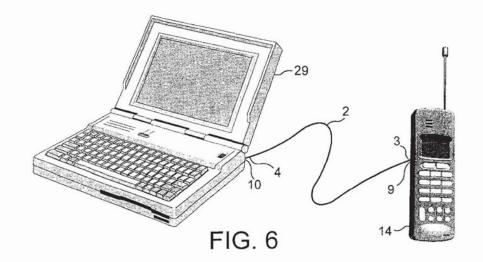






Mar. 11, 2003





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