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Sorias et al.

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### (54) DETACHABLY INTEGRATED BATTERY CHARGER FOR MOBILE CELL PHONES AND LIKE DEVICES

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(\*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 175 days.

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### Related U.S. Application Data

- (60) Provisional application No. 61/432,050, filed on Jan. 12, 2011.
- (51) **Int. Cl. H04M 1/00** (2006.01)

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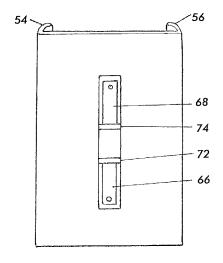
\* cited by examiner

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Assistant Examiner — Richard Chan
(74) Attorney, Agent, or Firm — Ostrolenk Faber LLP

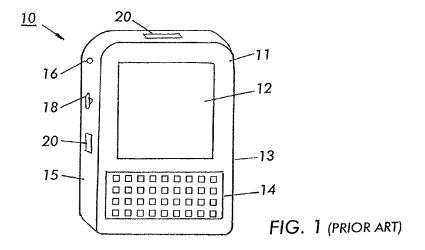
## (57) ABSTRACT

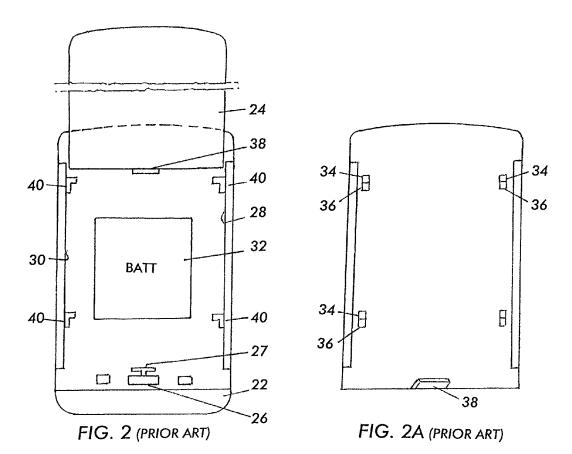
A cell phone charger comprises a main body having embedded therein a charging circuit configured to receive line AC voltage and to convert it to a DC voltage suitable for charging the mobile device. AC prongs fold into the body in a stowed position and a connection structure formed integrally with the main body grasps onto and holds the charger secured to the cell phone device. In a preferred embodiment, the AC prongs pivot independently and lie flat against an outside surface of the main body.

#### 16 Claims, 7 Drawing Sheets









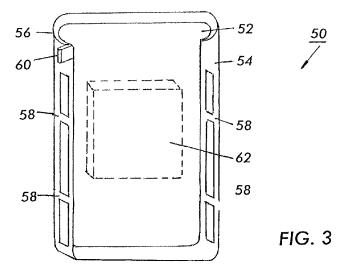


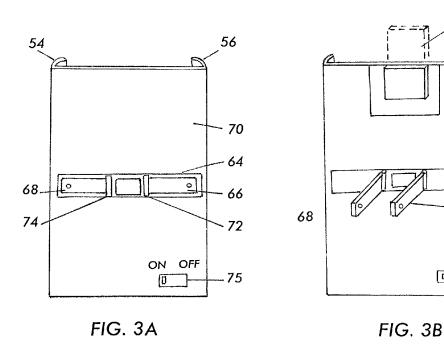
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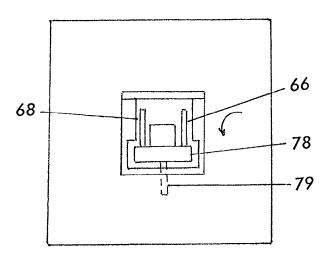
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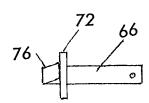
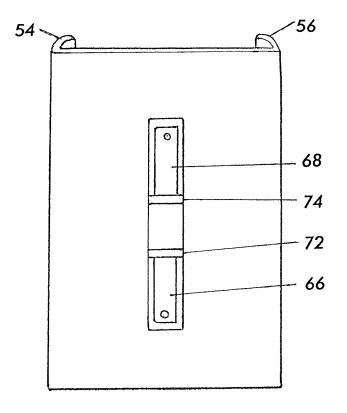


FIG. 3C

FIG. 3D



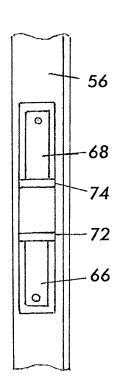
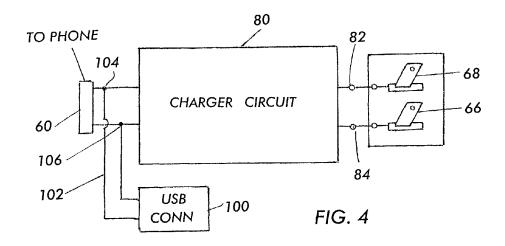
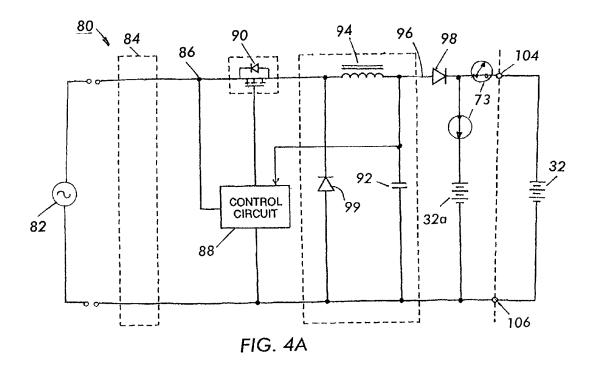


FIG. 3E

FIG. 3F









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