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(54) **PLANAR INDUCTIVE BATTERY CHARGER**

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(52) **U.S. Cl.** **320/108**

(57) **ABSTRACT**

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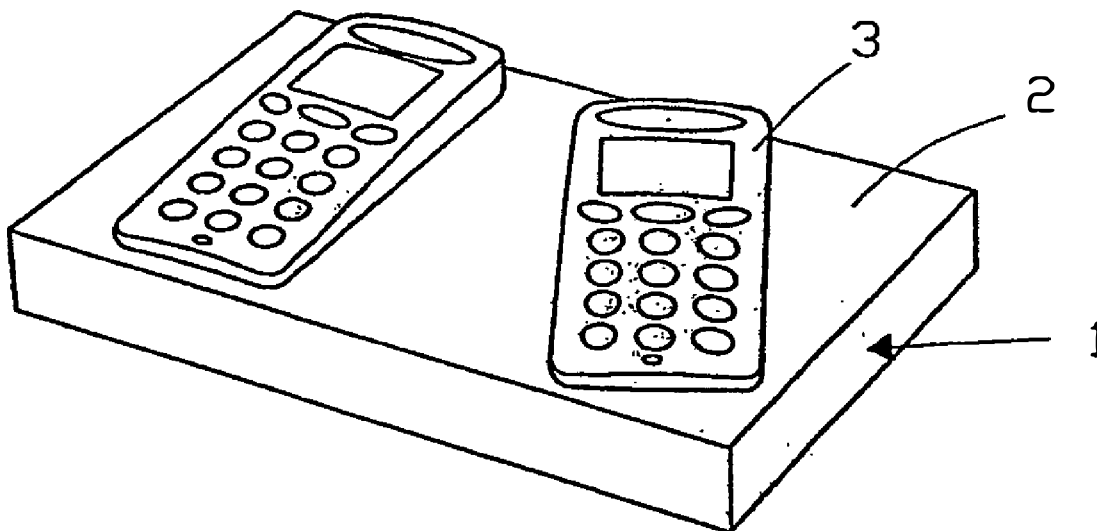
Related U.S. Application Data

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filed on Jun. 10, 2003.

(30) **Foreign Application Priority Data**

Jun. 10, 2002 (GB)..... 0213374.2

There is provided a planar inductive battery charging system designed to enable electronic devices to be recharged. The system includes a planar charging module having a charging surface on which a device to be recharged is placed. Within the charging module and parallel to the charging surface is at least one and preferably an array of primary windings that couple energy inductively to a secondary winding formed in the device to be recharged. The invention also provides secondary modules that allow the system to be used with conventional electronic devices not formed with secondary windings.



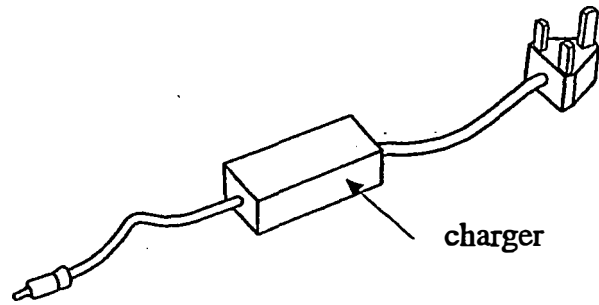


FIG. 1 (PRIOR ART)

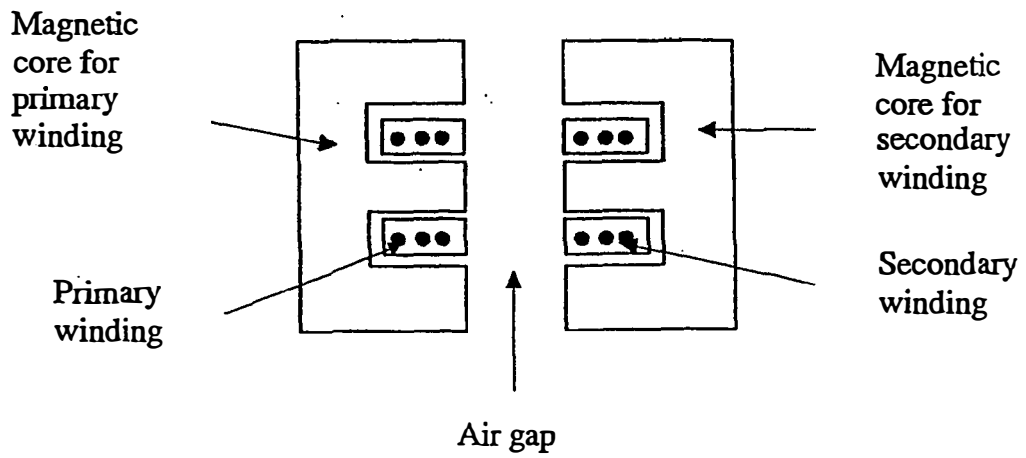


FIG. 2 (PRIOR ART)

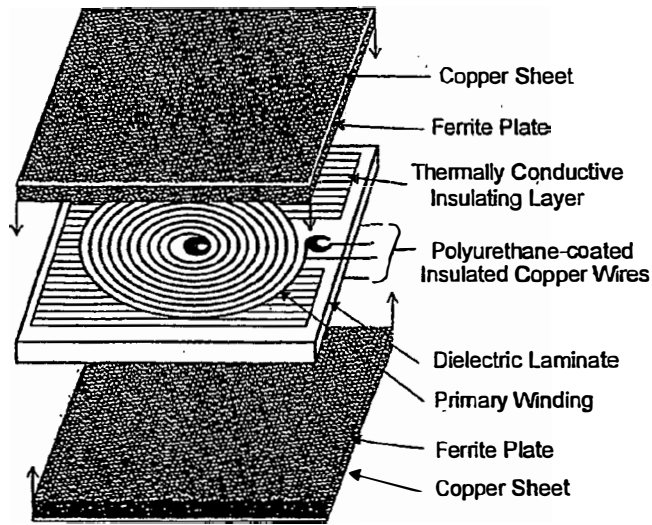


FIG.3 (PRIOR ART)

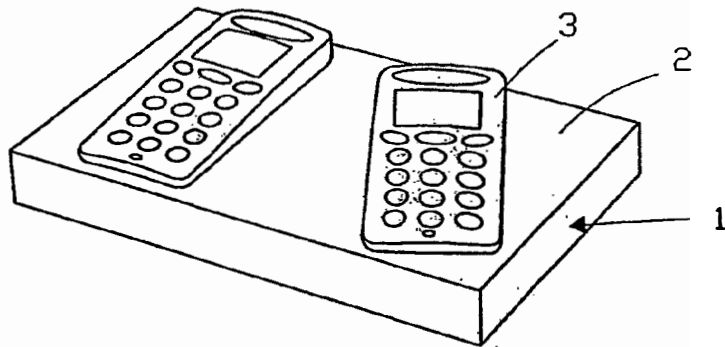


FIG.4(a)

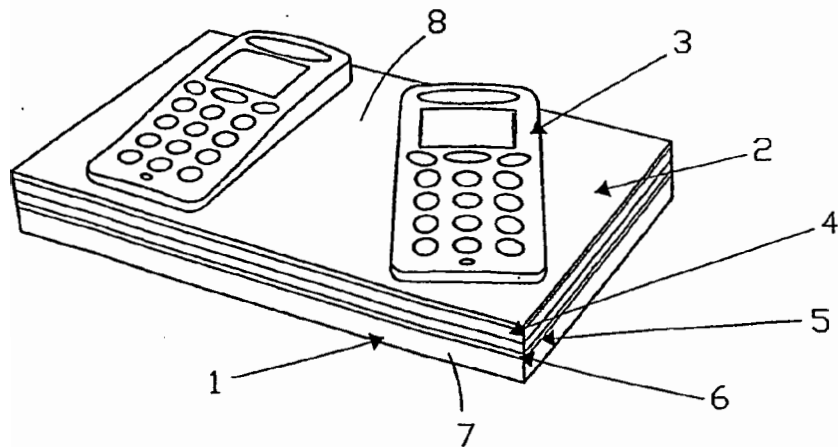


FIG.4(b)

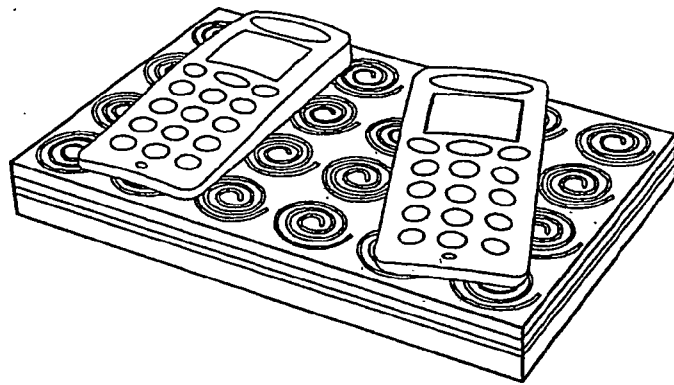


FIG. 4(c)

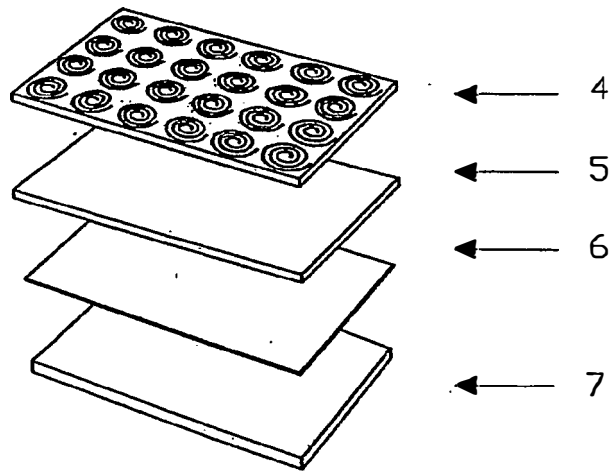


FIG. 5(a)

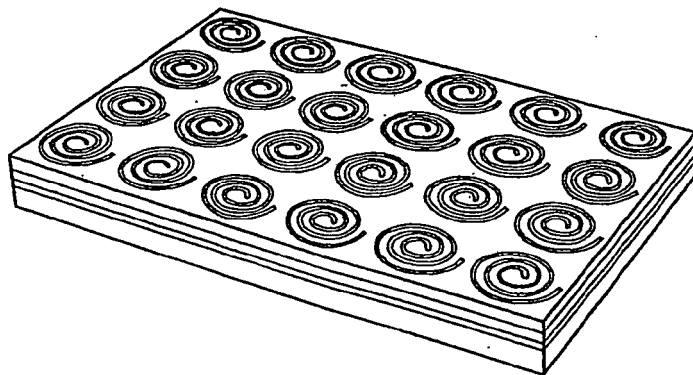


FIG. 5(b)

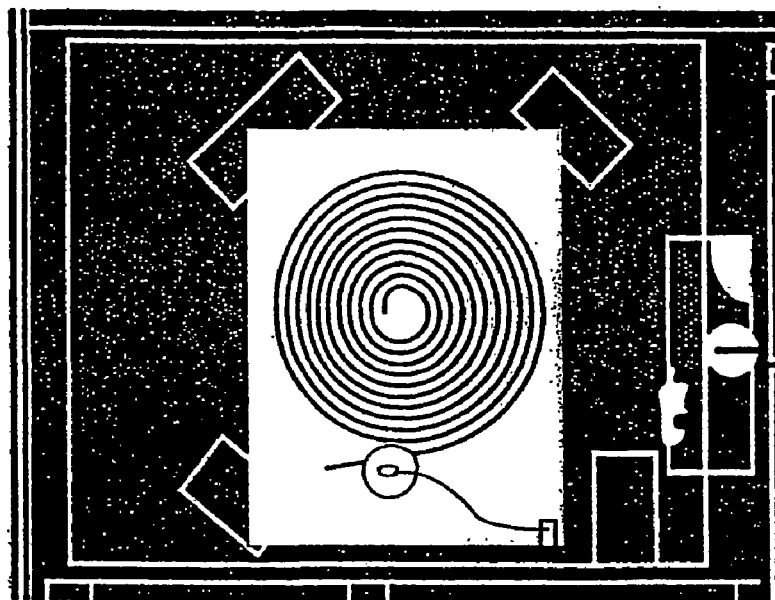


FIG. 6(a)

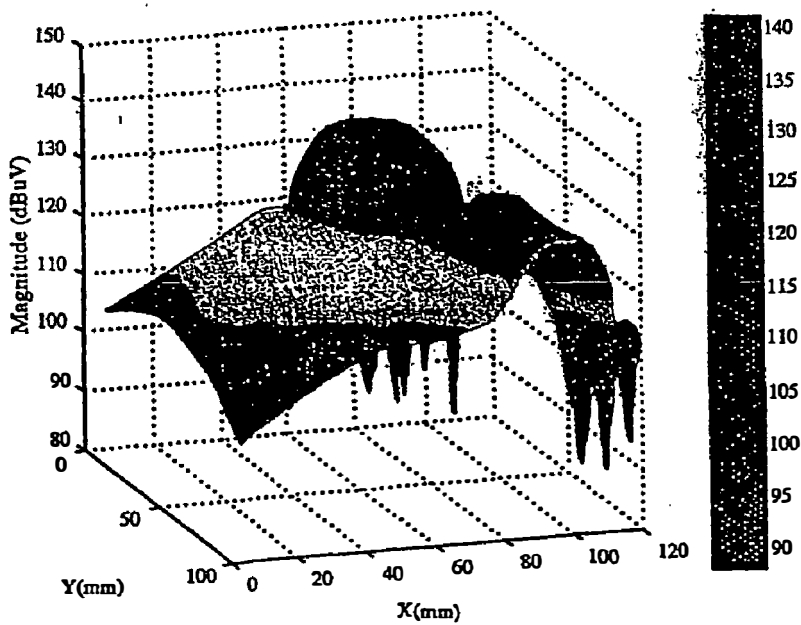


FIG. 6(b)

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