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Hidaka et al.

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(54) ELECTRONIC DEVICE INCLUDING NON-CONTACT CHARGING MODULE

(75) Inventors: Akio Hidaka, Oita (JP); Takumi

Naruse, Miyazaki (JP); Munenori Fujimura, Oita (JP); Kenichiro Tabata,

Oita (JP); **Tokuji Nishino**, Oita (JP)

(73) Assignee: Panasonic Intellectual Property

Management Co., Ltd., Osaka (JP)

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(58) Field of Classification Search

CPC H02J 7/025; H01F 38/14; Y02T 90/122; B60L 11/182; Y02E 60/12

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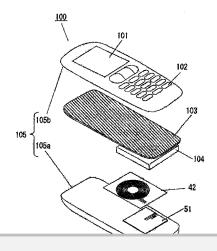
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Primary Examiner — Arun Williams

(74) Attorney, Agent, or Firm — Seed IP Law Group PLLC (57) ABSTRACT

This communication apparatus makes it possible to have a non-contact charging module and a sheet antenna coexist, even in the case where there the non-contact charging module and the sheet antenna in the communication apparatus. The apparatus is provided with: a housing; a secondary-side non-contact charging module, which is housed in the housing, receives power by means of electromagnetic induction, and has a first coil having a conducting wire wound thereon, and a first magnetic sheet facing the first coil; and an NFC antenna, which is housed in the housing, and has a second coil having a conducting wire wound thereon, and a second magnetic sheet facing the second coil. The secondary-side non-contact charging module and the NFC antenna are not laminated to each other.

20 Claims, 29 Drawing Sheets





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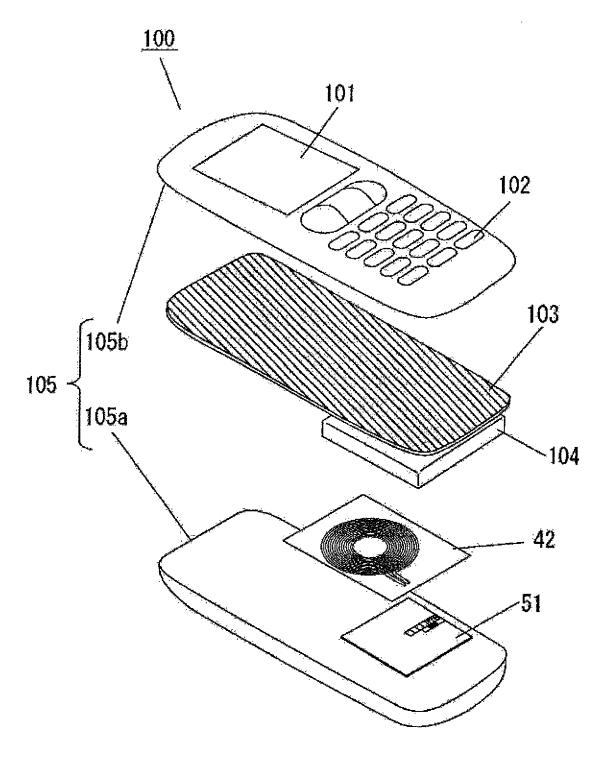


FIG. 1A



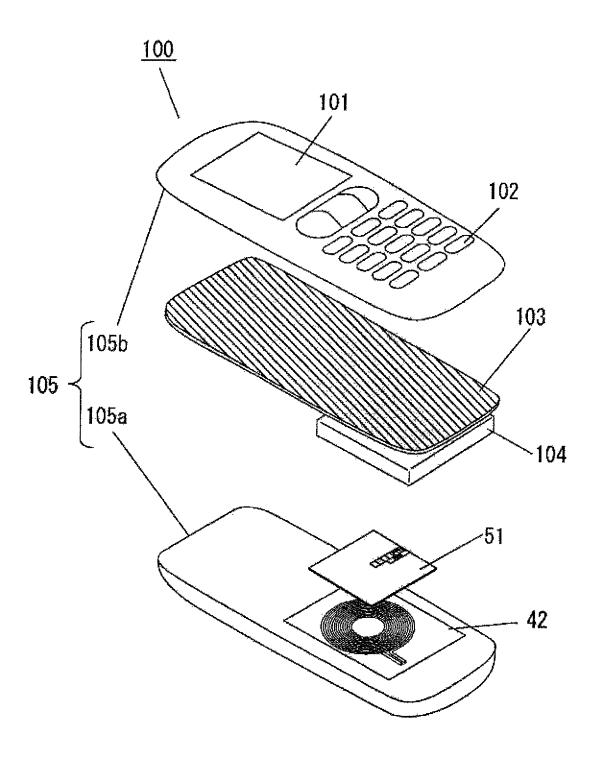


FIG. 1B



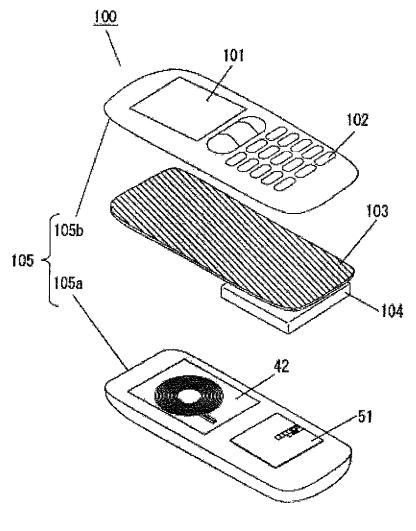


FIG. 1C

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