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**Yabe et al.**

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(54) **ELECTRONIC EQUIPMENT AND METHOD FOR CONNECTING ELECTRONIC CIRCUIT SUBSTRATE**

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**H01F 27/42** (2006.01)

(52) **U.S. Cl.**  
USPC ..... **307/104**

(58) **Field of Classification Search**  
USPC ..... 307/104  
See application file for complete search history.

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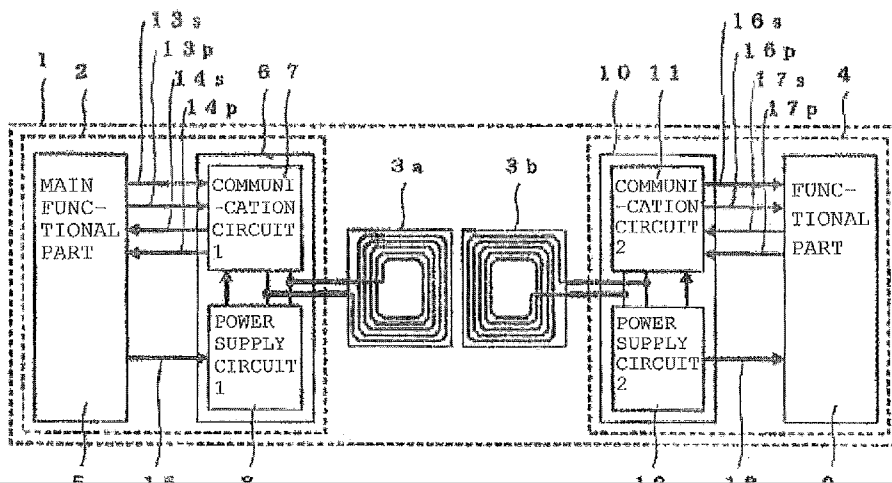
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(57) **ABSTRACT**

Wireless power supply and information communication are achieved between electronic circuit substrates in the electronic equipment, and the size of the circuitry for achieving the above is reduced. There are provided a first electronic circuit substrate, a second electronic circuit substrate, a first coil connected to the first electronic circuit substrate, and a second coil connected to the second electronic circuit substrate. Power is transmitted from the first coil to the second coil by electromagnetic induction so that the first electronic circuit substrate and the second electronic circuit substrate are electrically connected.

**15 Claims, 8 Drawing Sheets**



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FIG. 1

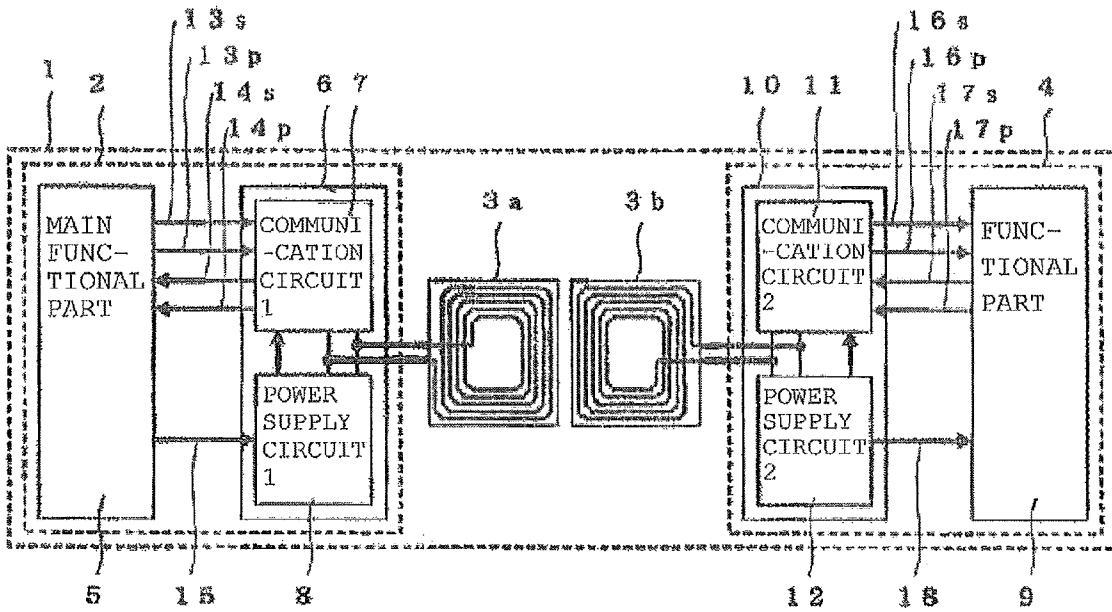


FIG. 2

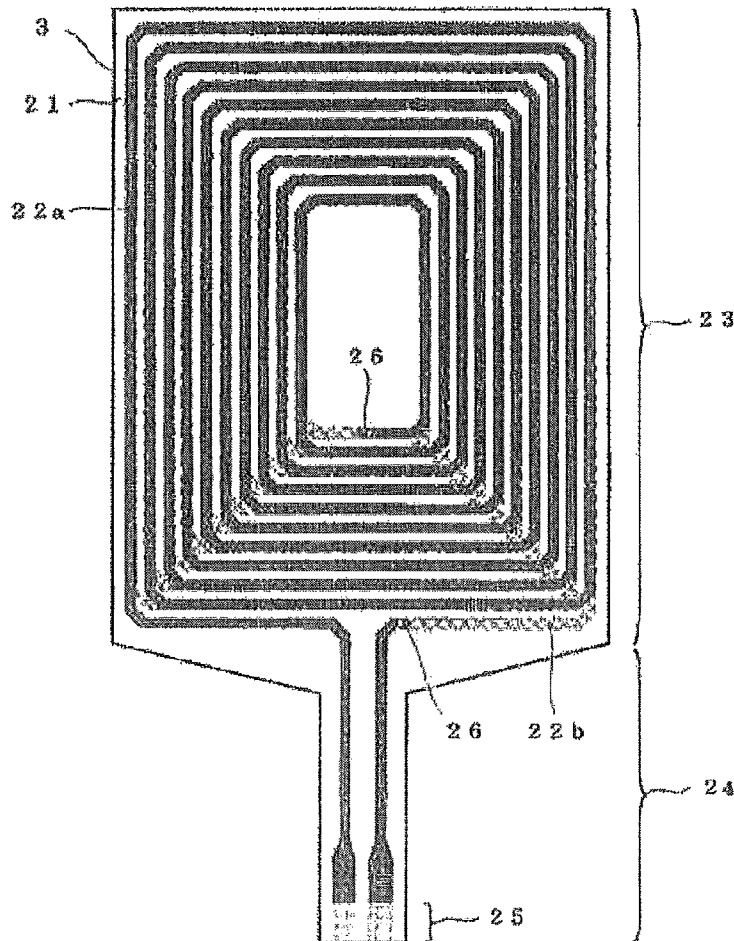


FIG. 3

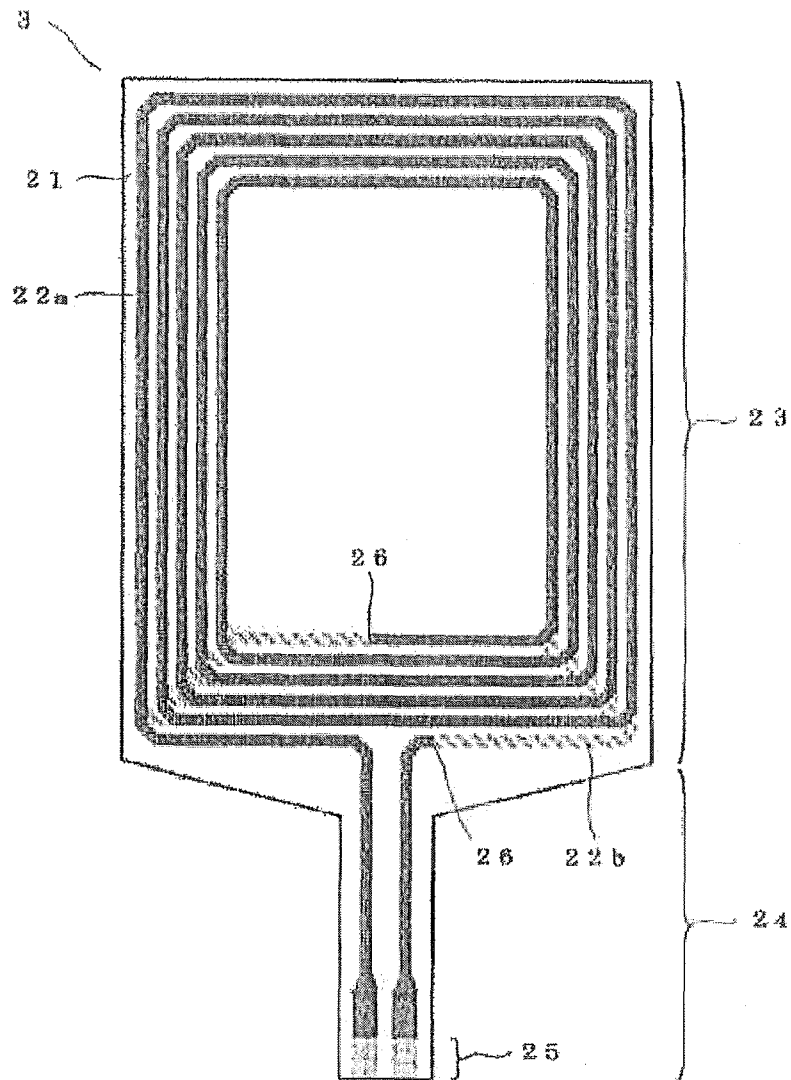


FIG. 4

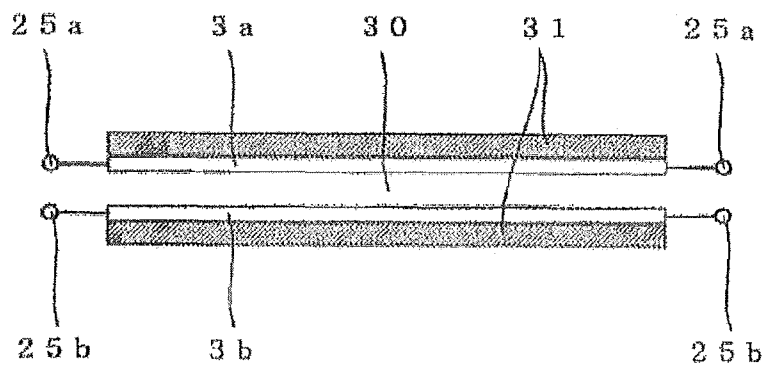


FIG. 5

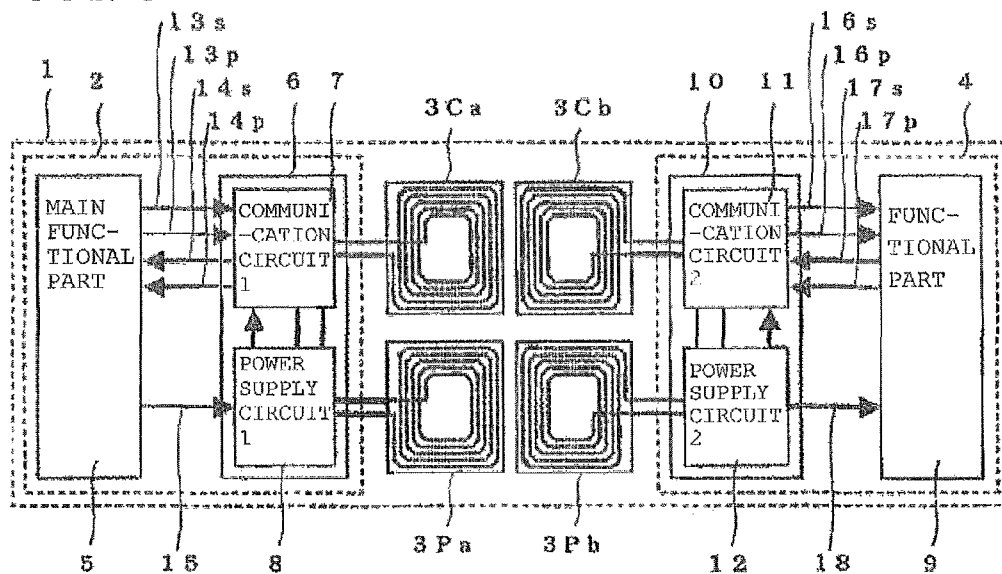


FIG. 6

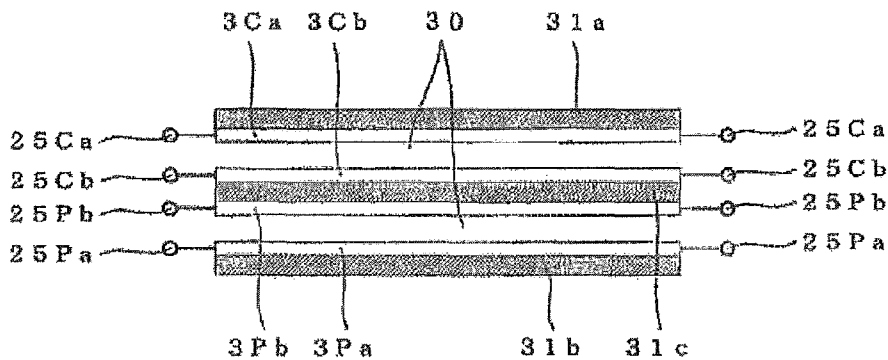
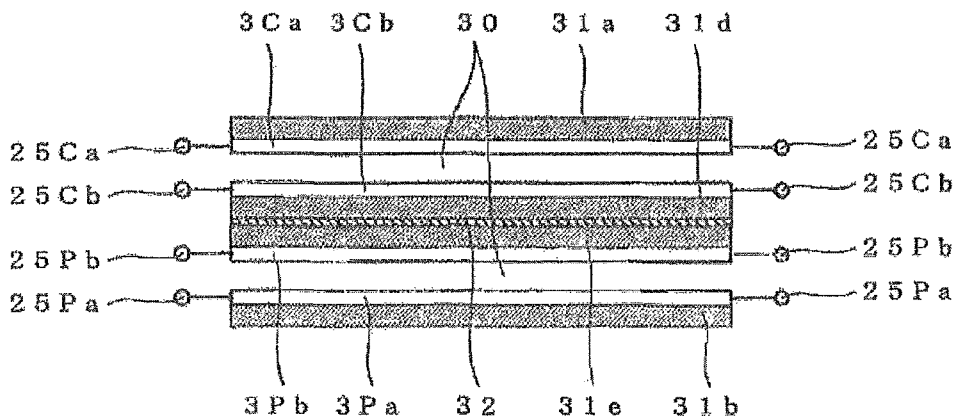


FIG. 7



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