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(54) **COIL UNIT AND ELECTRONIC INSTRUMENT**

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(57) **ABSTRACT**

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A coil unit includes a planar coil that has a transmission side and a non-transmission side, a magnetic sheet provided over the non-transmission side of the planar coil, and a heat sink/magnetic shield plate stacked on a side of the magnetic sheet opposite to a side that faces the planar coil, the heat sink/magnetic shield plate dissipating heat generated by the planar coil and shielding magnetism by absorbing a magnetic flux that has not been absorbed by the magnetic sheet. The heat sink/magnetic shield plate has a thickness larger than that of the magnetic sheet.

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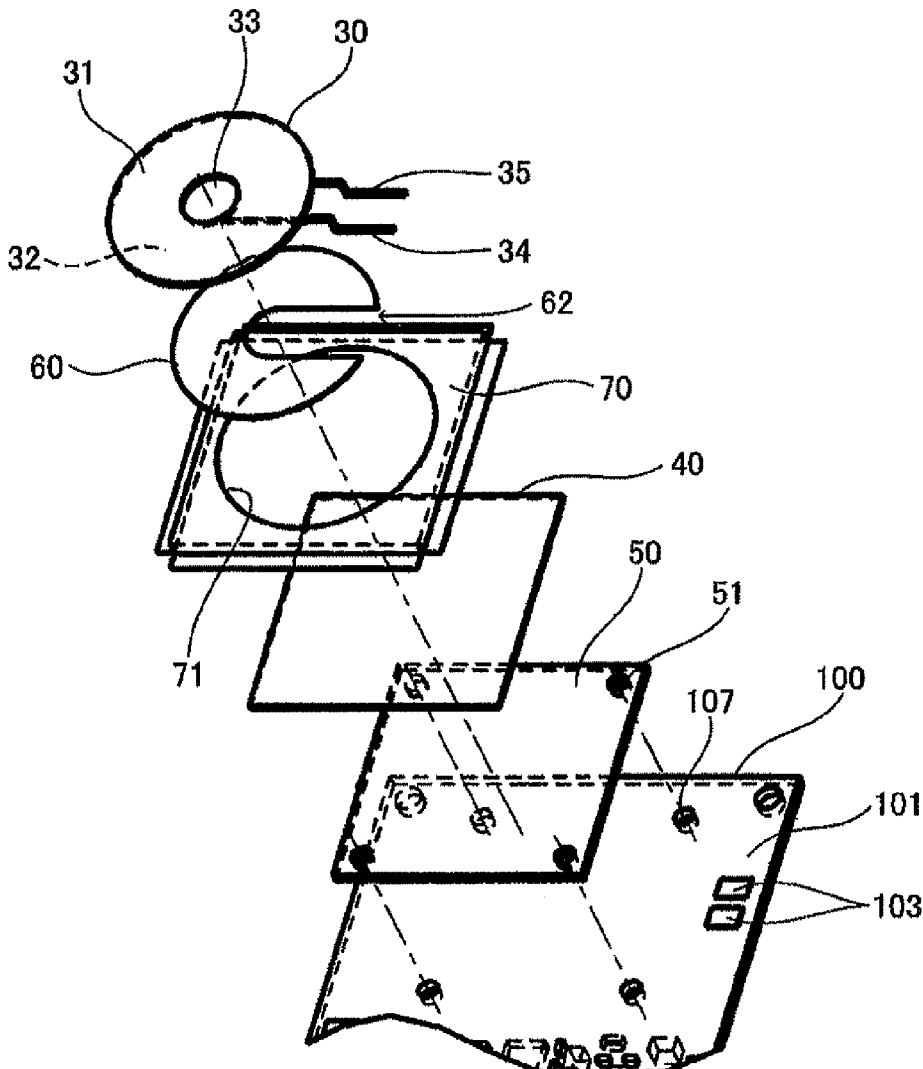


FIG. 1

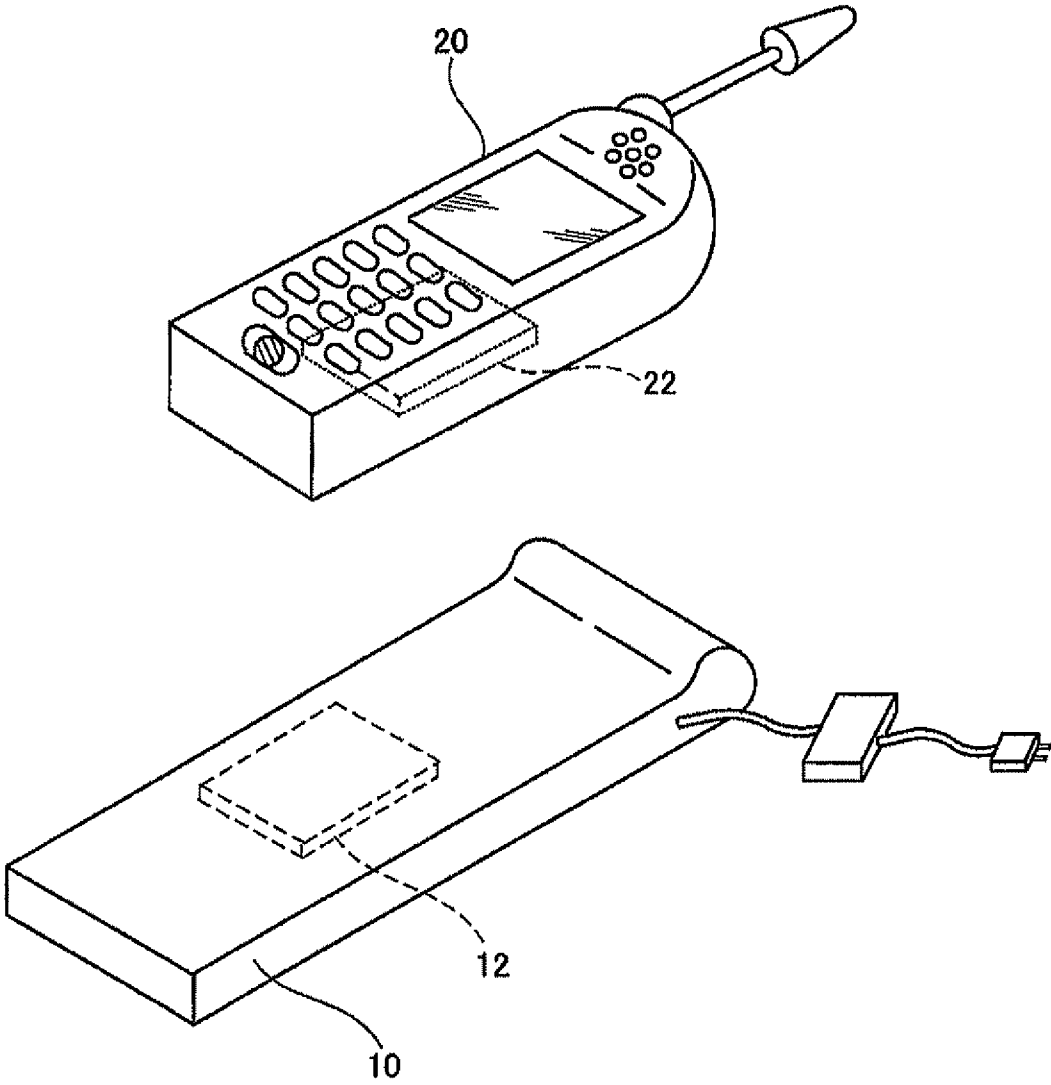


FIG.2

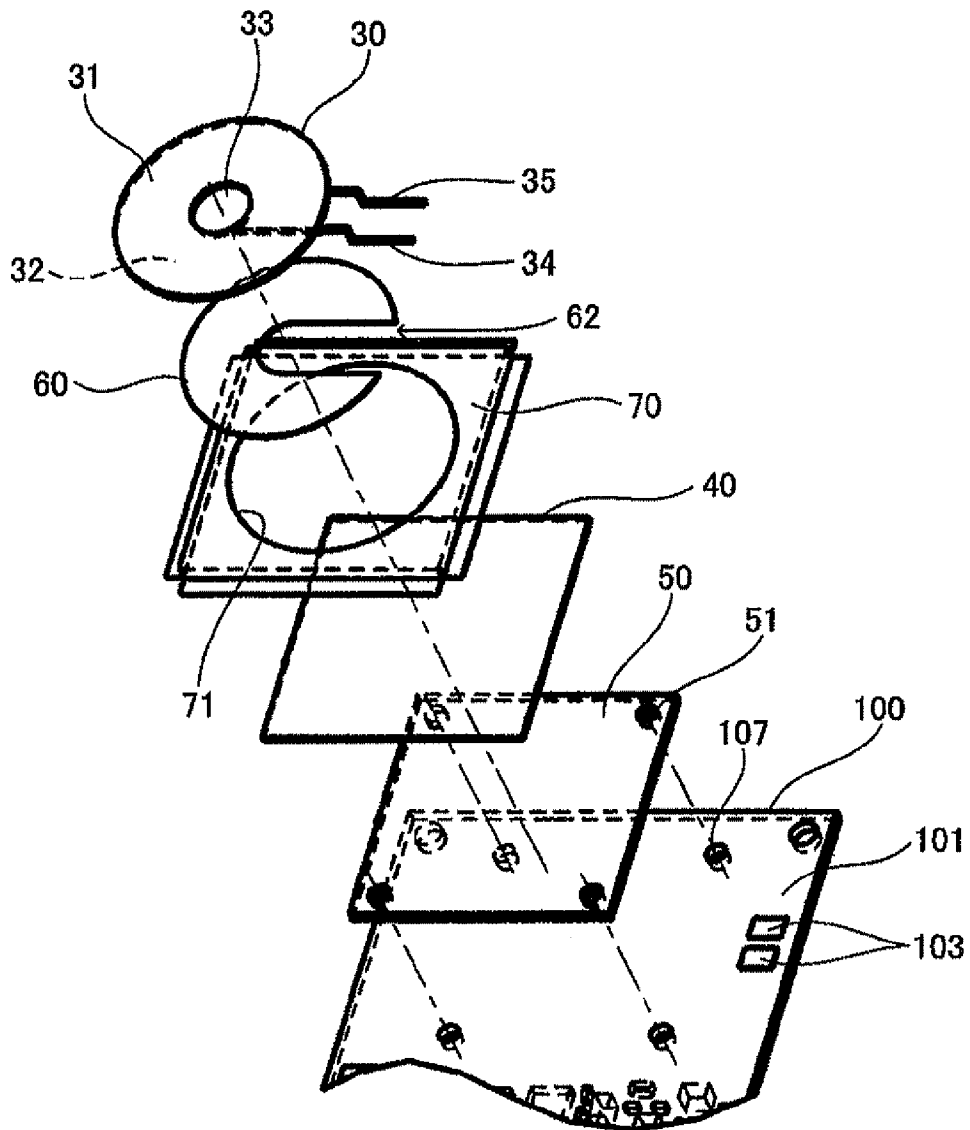


FIG.3B

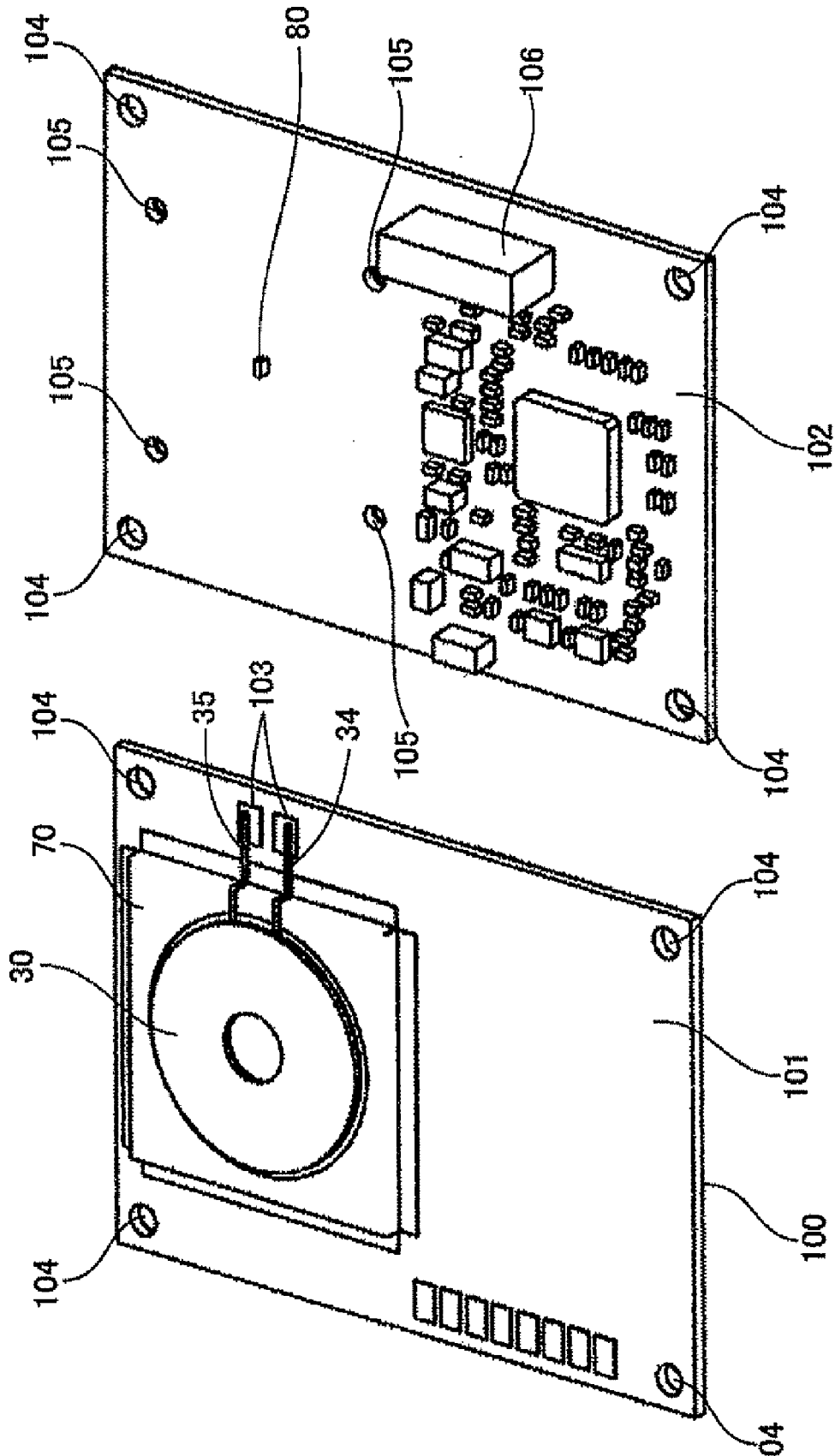


FIG.3A

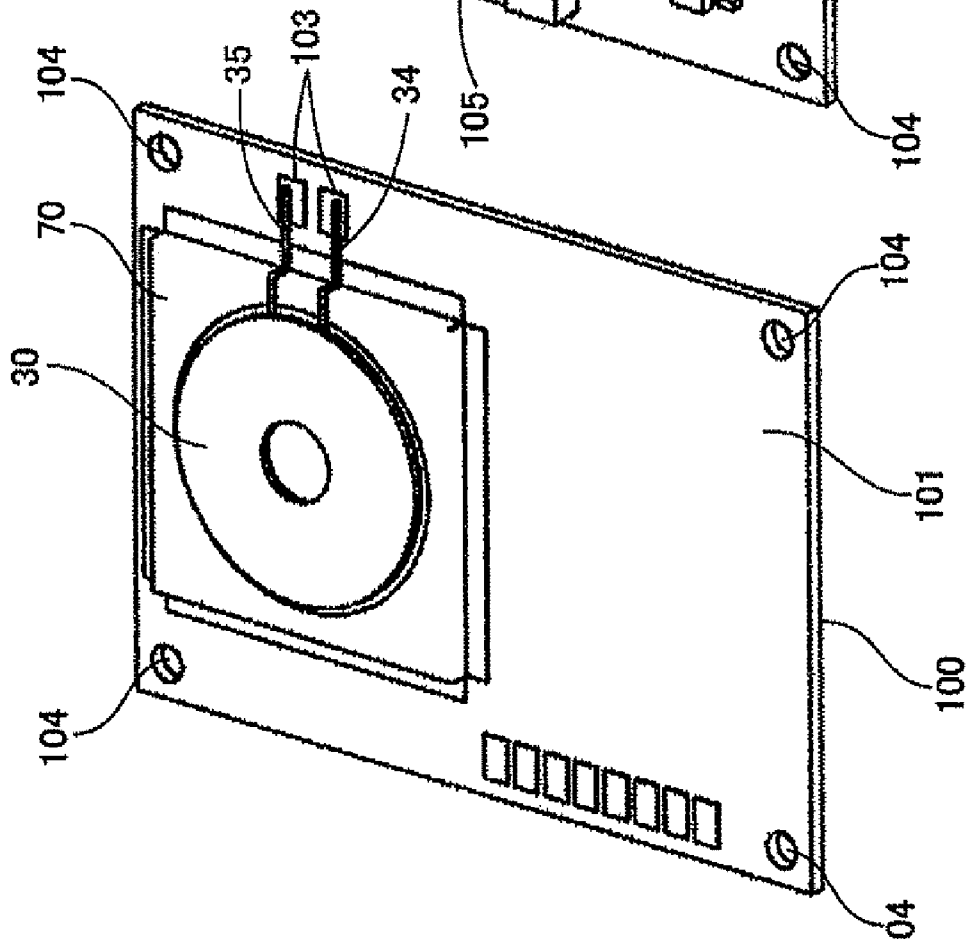
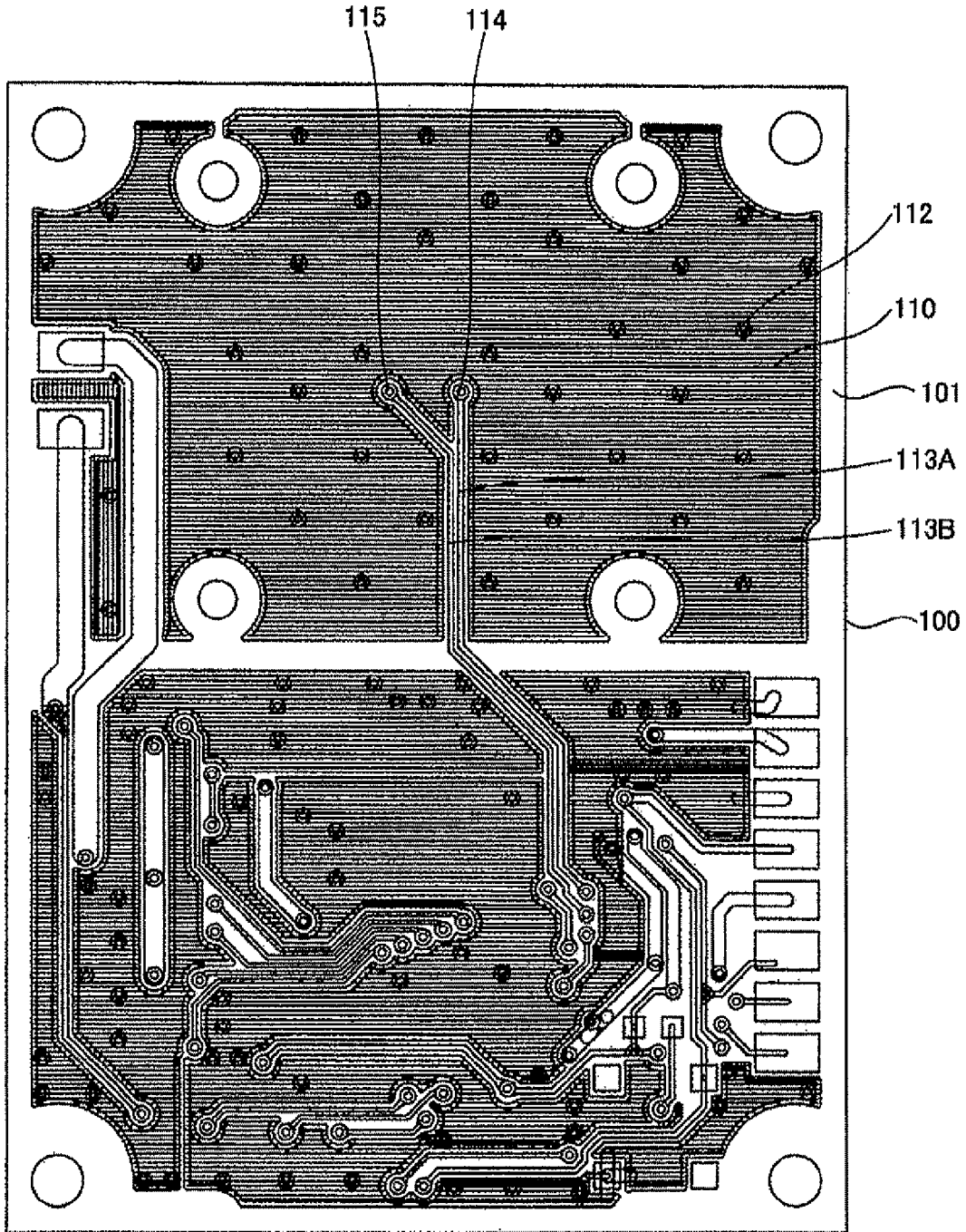


FIG.4



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