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(54) **NONCONTACT POWER-TRANSMISSION COIL, PORTABLE TERMINAL, AND TERMINAL CHARGING DEVICE**

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(57) **ABSTRACT**

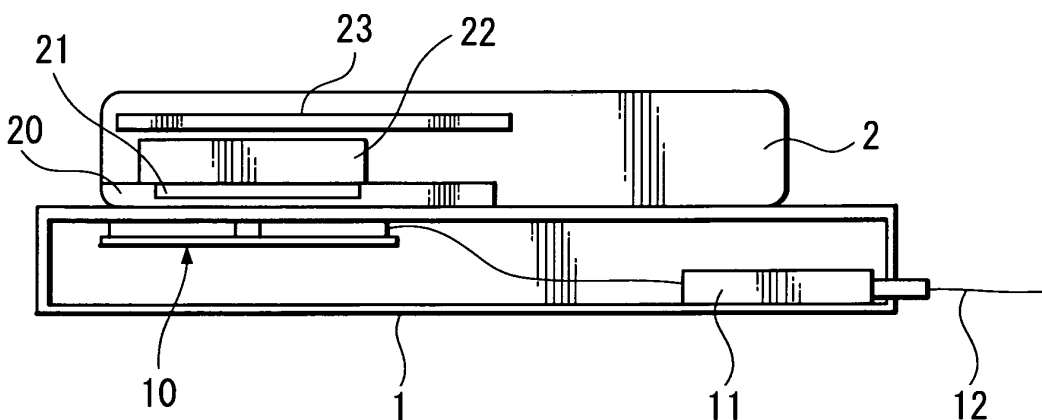
A noncontact power-transmission coil is provided. The non-contact power-transmission coil includes a planar coil and a printed-circuit board. The planar coil is formed by spirally winding a linear conductor made of a single or twisted wire in a substantially same plane. The printed-circuit board includes a first external connection terminal portion, a second external connection terminal portion, a first contact portion connected to an inner peripheral end of the spirally-wound linear conductor, a second contact portion connected to the outer peripheral end of the spirally-wound linear conductor, a first conductor pattern connecting the first contact portion to a first external connection terminal portion, and a second conductor pattern connecting the second contact portion to a second external connection terminal portion. One planar portion of the planar coil is attached on the surface of the flexible printed-circuit board.

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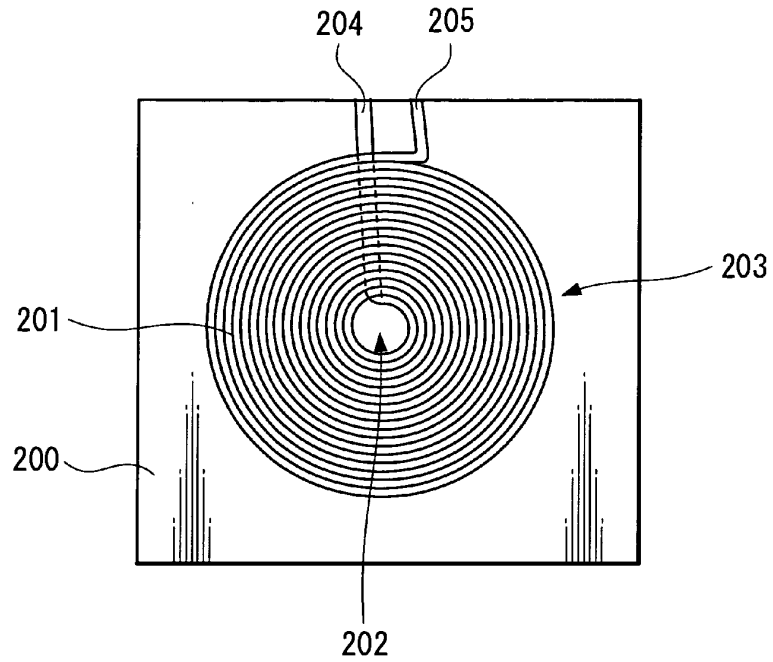
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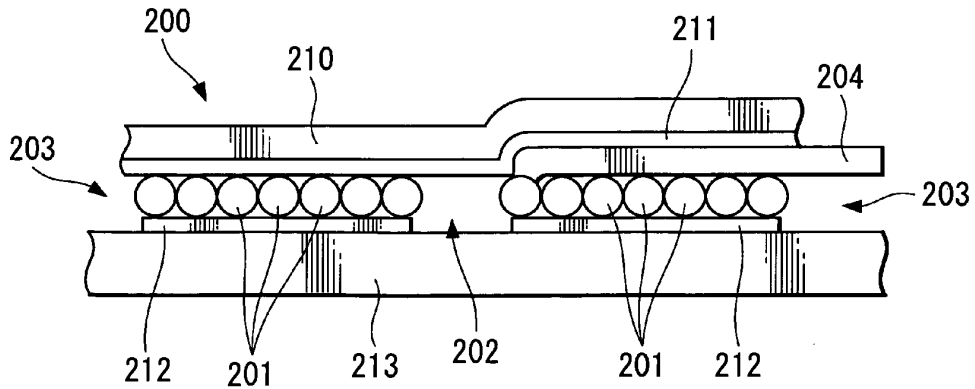
(22) Filed: **Jan. 7, 2008**



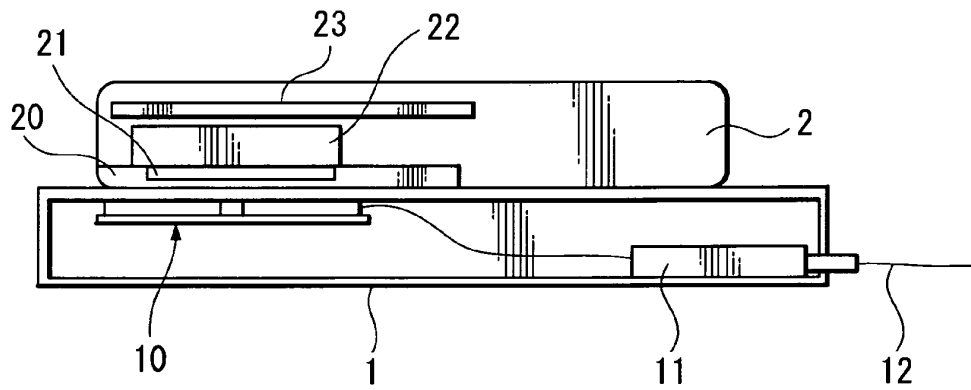
**FIG. 1**



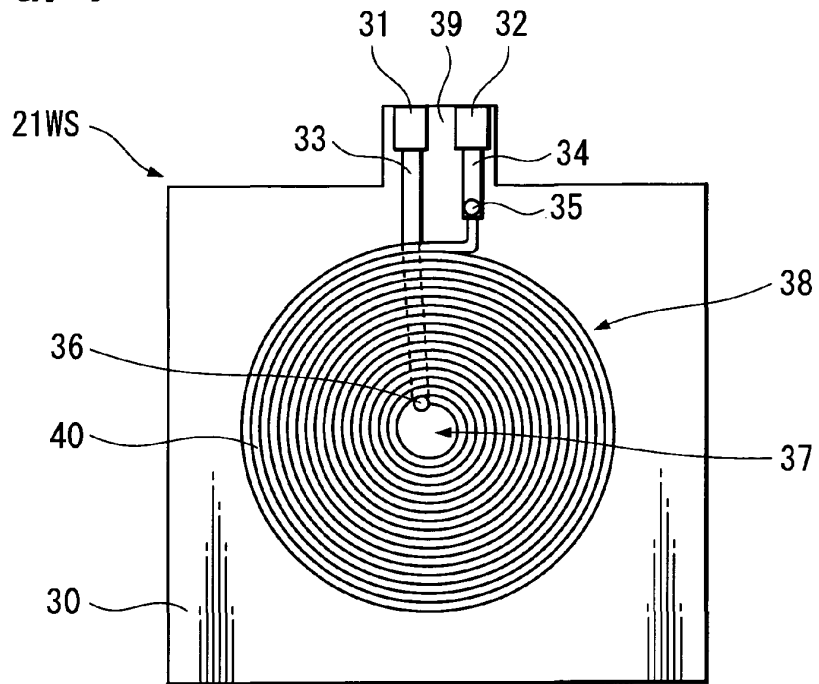
**FIG. 2**



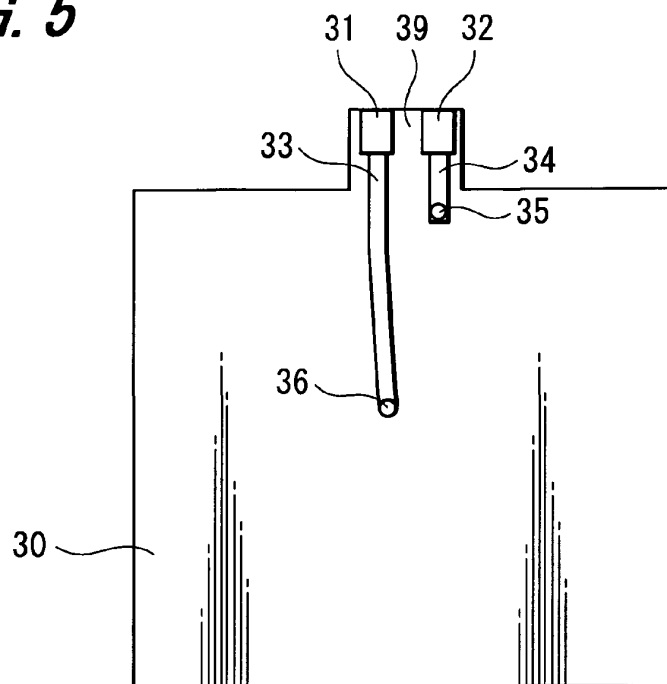
**FIG. 3**



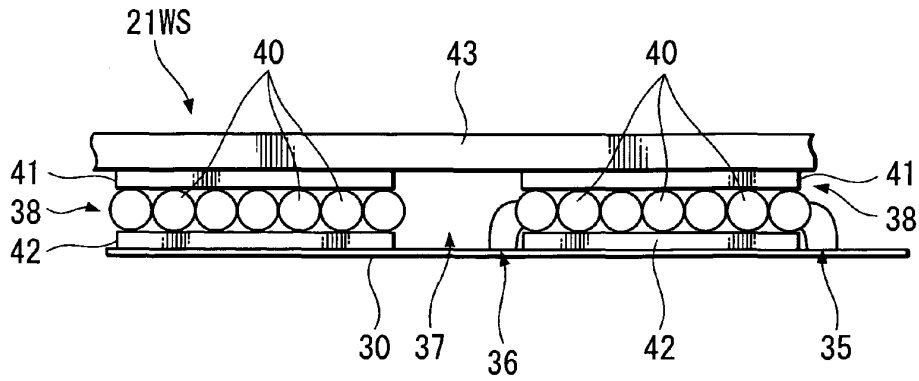
**FIG. 4**



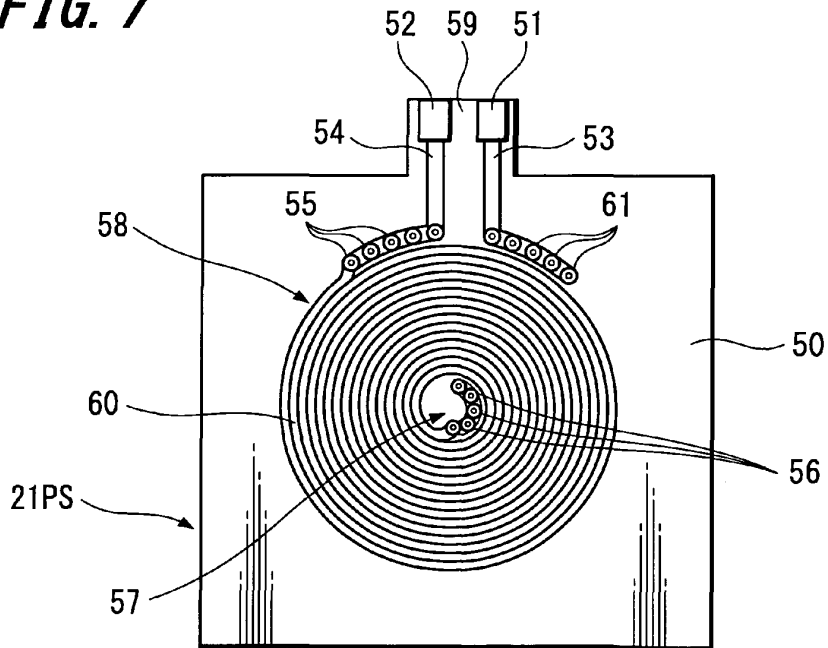
**FIG. 5**



**FIG. 6**



**FIG. 7**



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