



US 20080164840A1

(19) **United States**

(12) **Patent Application Publication**

Kato et al.

(10) **Pub. No.: US 2008/0164840 A1**

(43) **Pub. Date: Jul. 10, 2008**

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

(30) **Foreign Application Priority Data**

Jan. 9, 2007 (JP) 2007-001634

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Publication Classification

(51) **Int. Cl.**
H02J 7/00 (2006.01)
H01F 5/00 (2006.01)
H01F 27/28 (2006.01)
(52) **U.S. Cl.** **320/108; 336/200**

(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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(21) Appl. No.: **12/007,078**

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

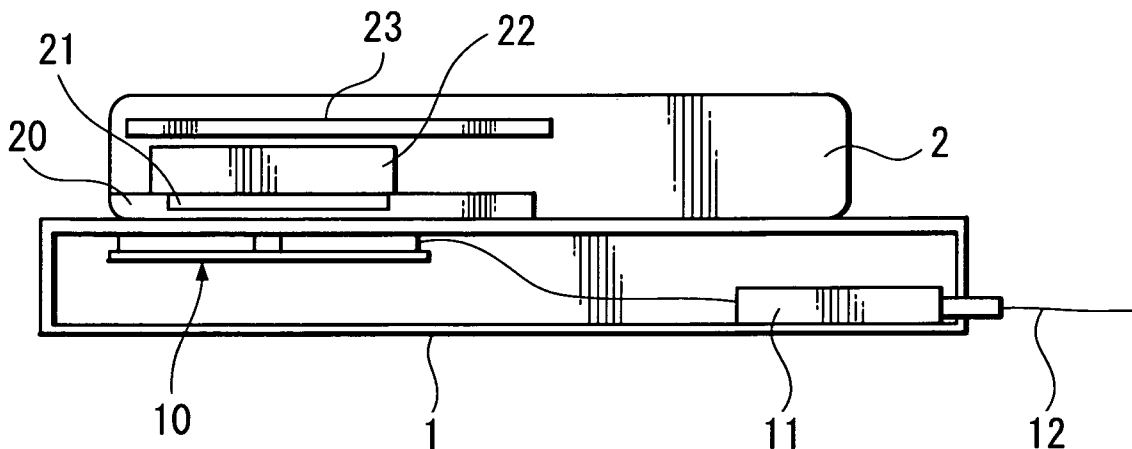


FIG. 1

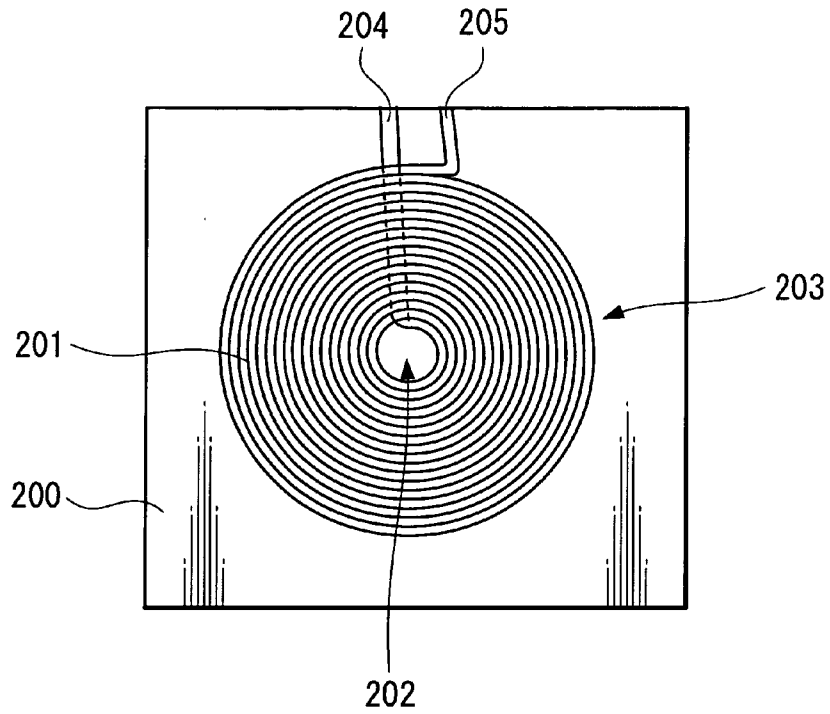


FIG. 2

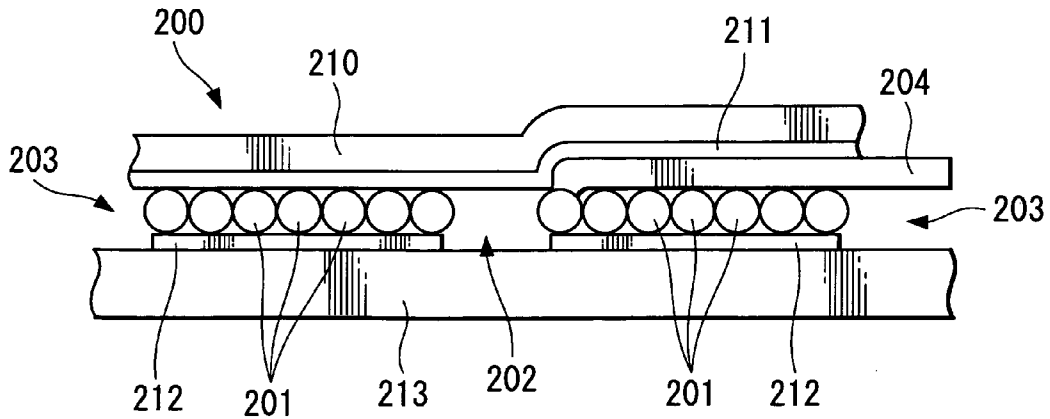


FIG. 3

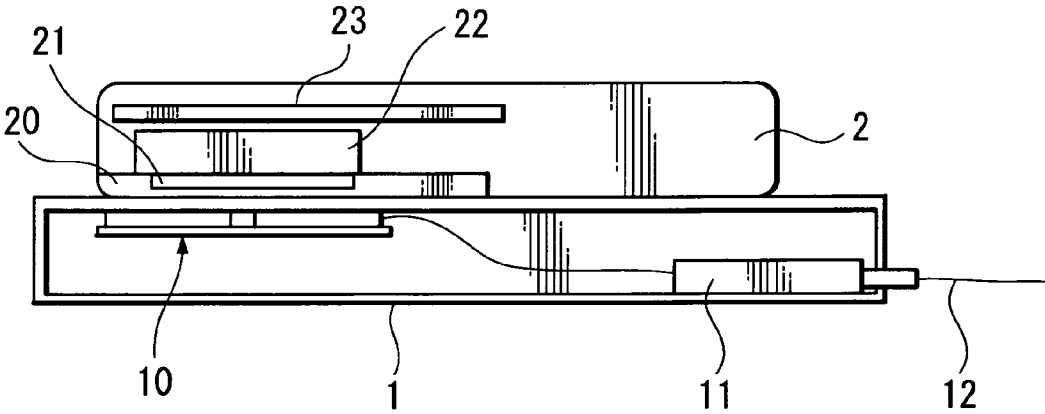


FIG. 4

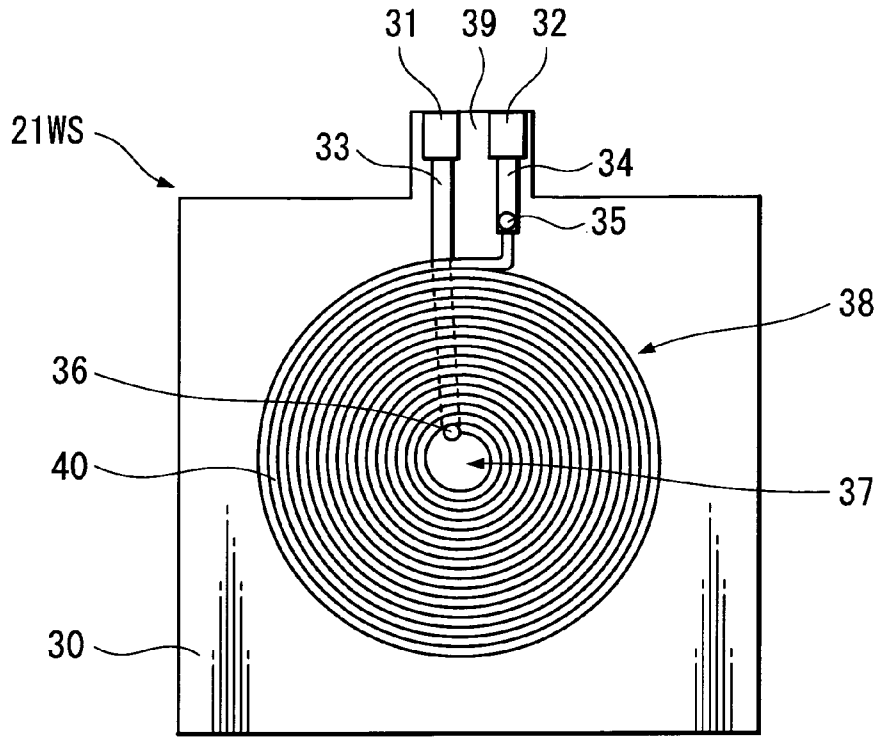


FIG. 5

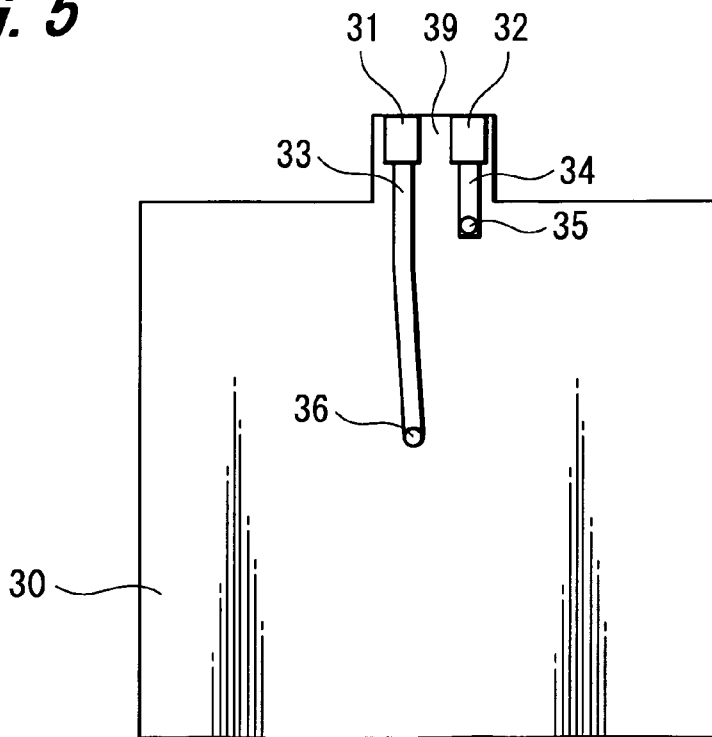


FIG. 6

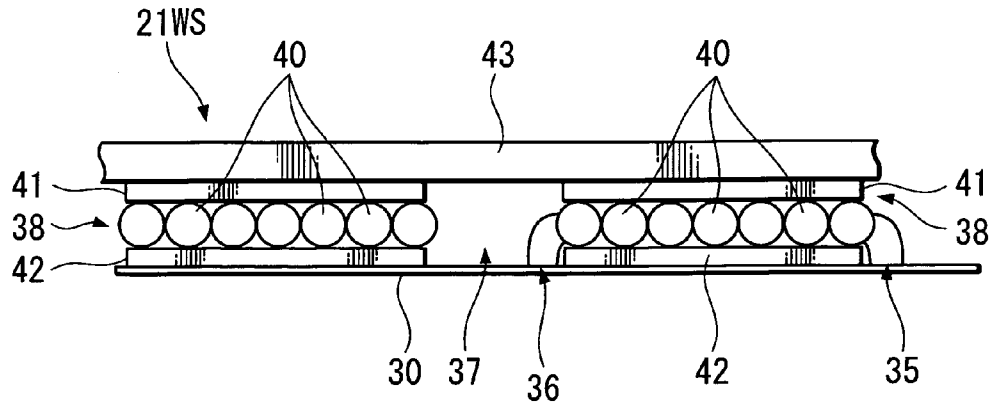
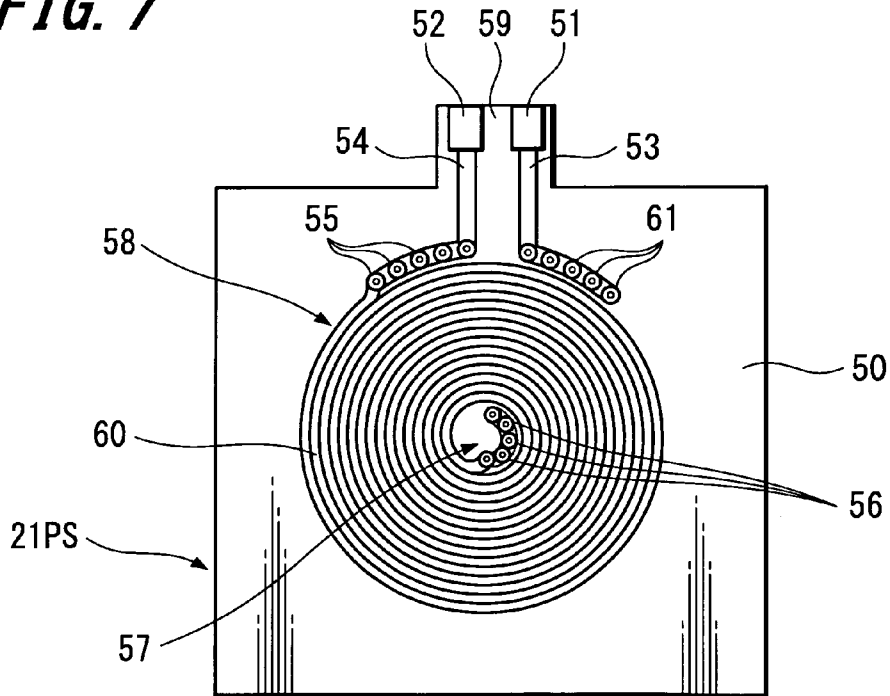


FIG. 7



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