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(54) **WIRELESS PERIPHERALS CHARGED BY ELECTROMAGNETIC INDUCTION**

(52) **U.S. Cl.** 345/163; 345/158

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(57) **ABSTRACT**

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A wireless pointing device can be charged by an induction power device. The induction power device includes a base with a plate and a first induction coil for converting electrical power of a power source to an induction magnetic field. The wireless pointing device has a housing with a contact plane corresponding to the plate, a second induction coil installed in the housing for receiving the induction magnetic field through the contact plane, a power module for transforming the induction field received by the second induction coil to a corresponding electrical power, and a storage module for storing the electrical power generated by the power module. When the wireless pointing device is put on the plate of the induction power device, the second induction coil receives the induction magnetic field generated by the first induction coil such that the wireless pointing device can be charged by the induction power device.

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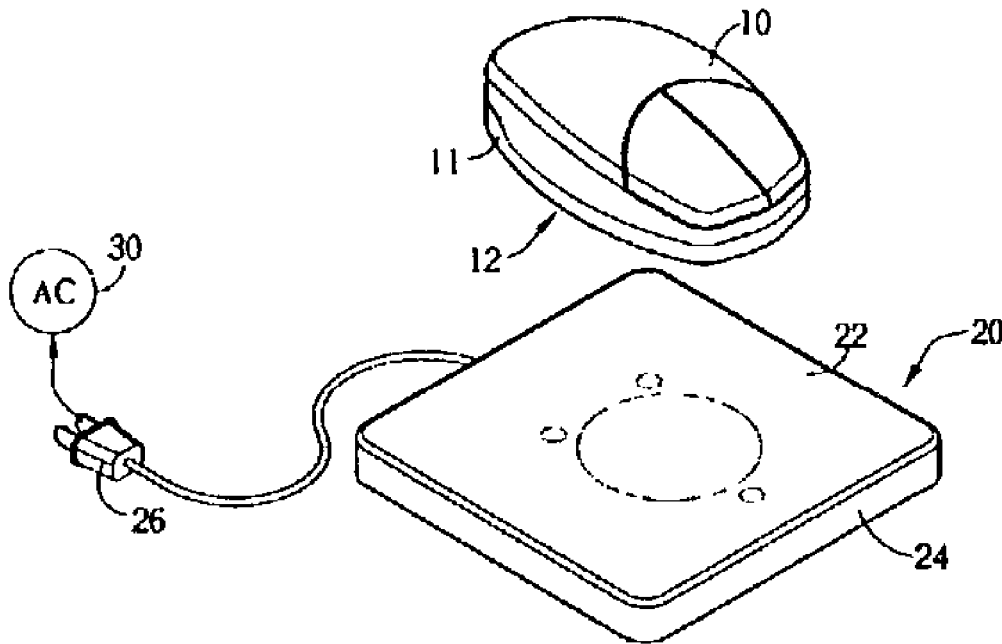
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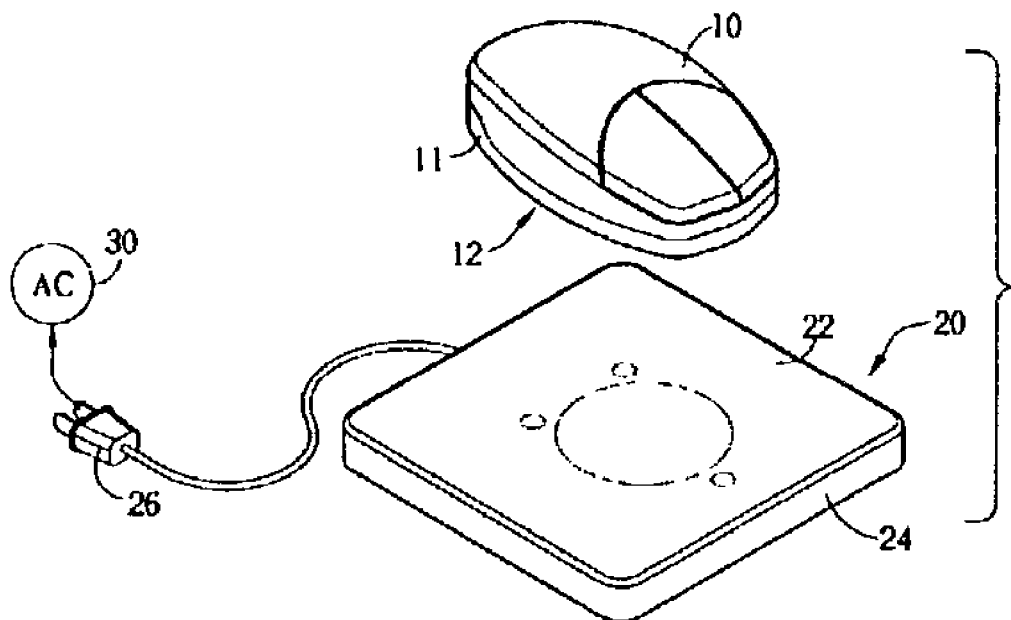


Fig. 1

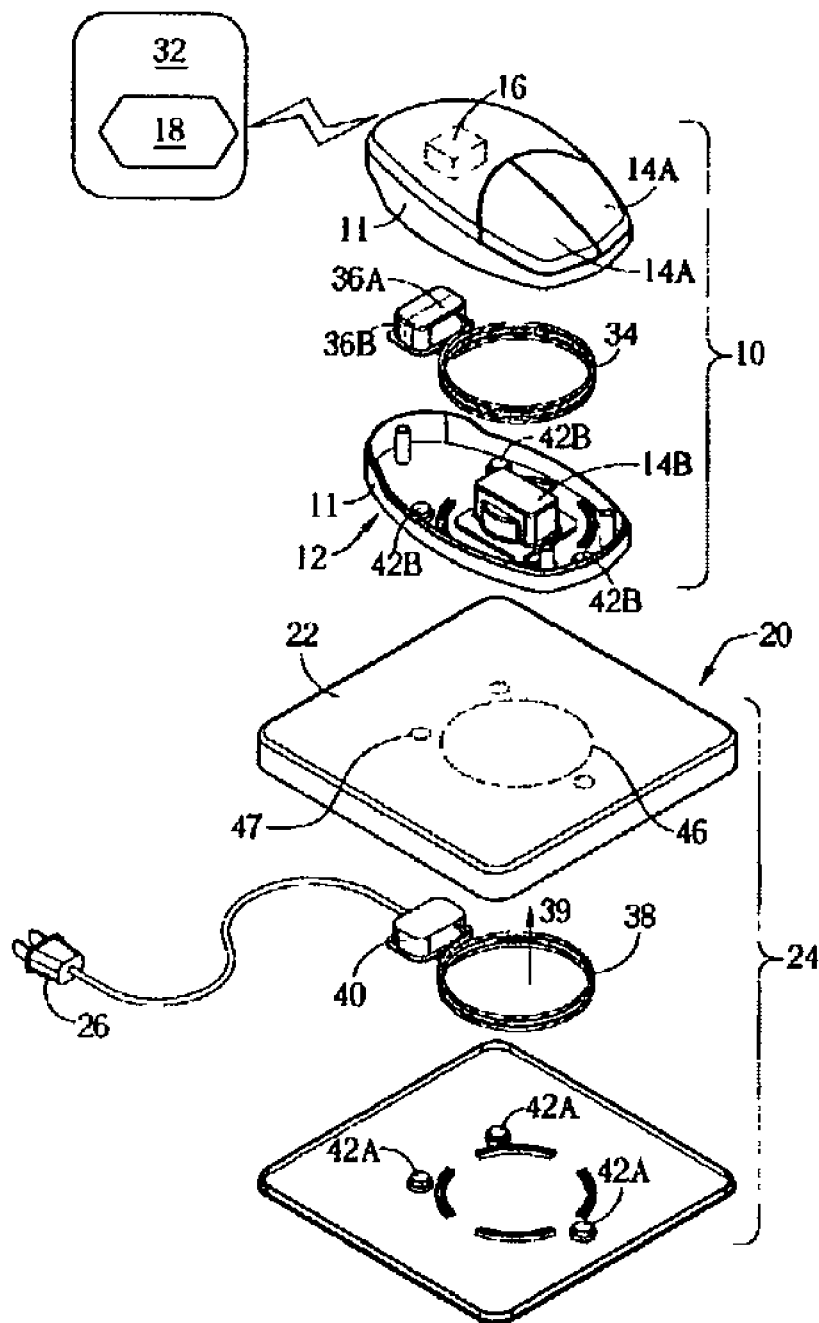


Fig. 2

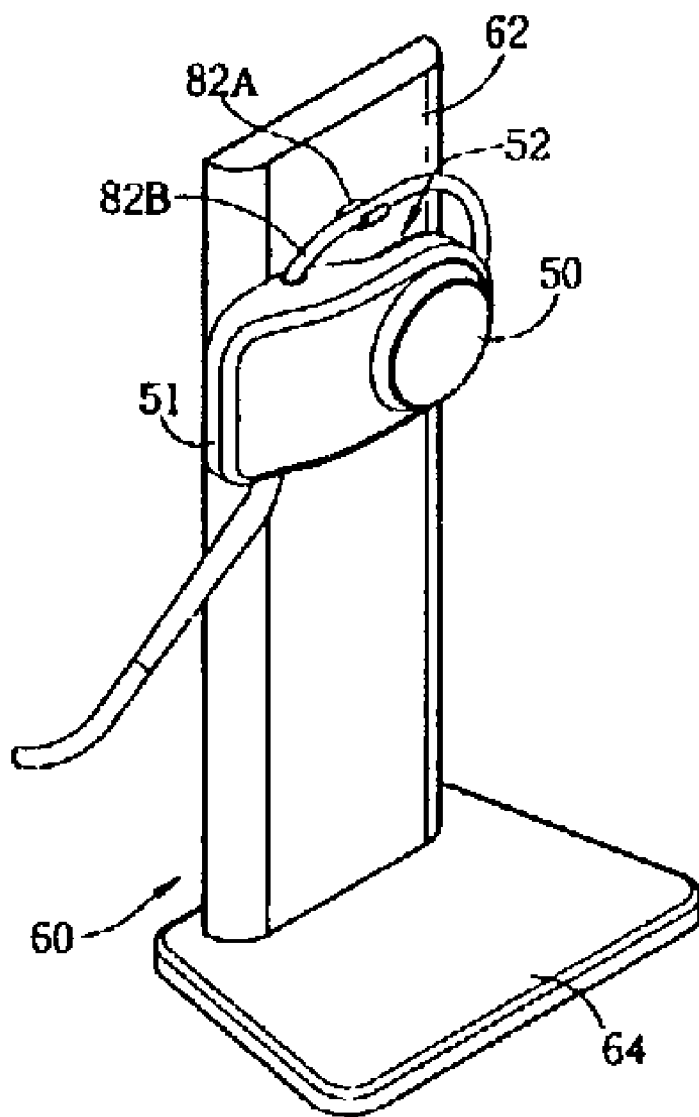


Fig. 3

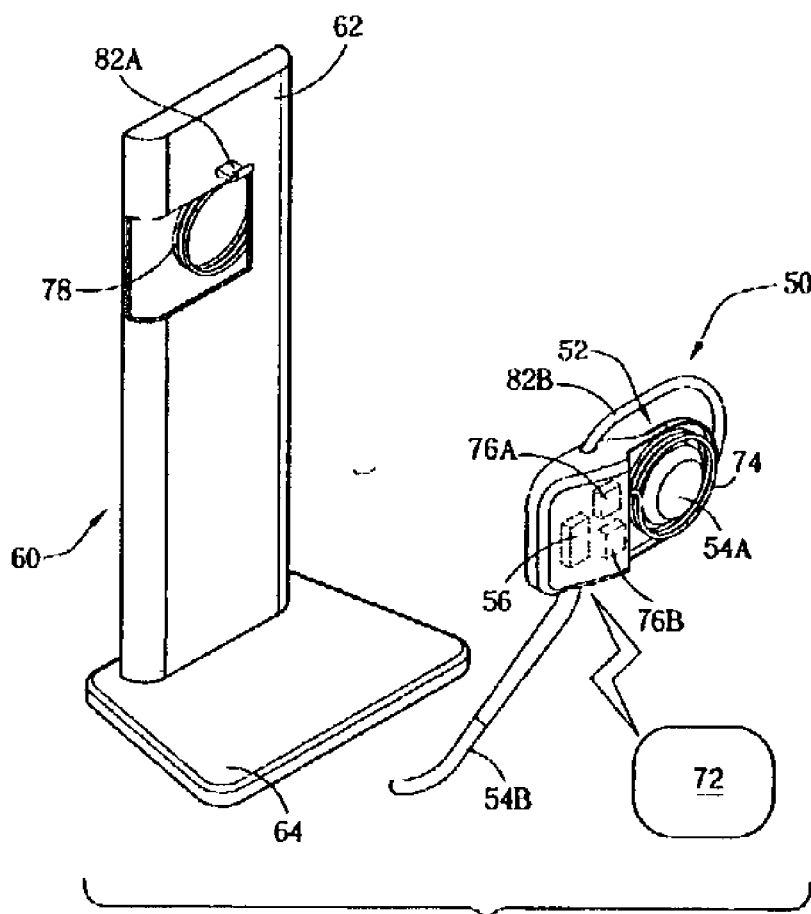


Fig. 4

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