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(54) **INDUCTIVELY POWERED APPARATUS**

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is a continuation-in-part of application No. 29/165,012, filed on Aug. 2, 2002, now Pat. No. D,476,094, and which is a continuation-in-part of application No. 29/165,005, filed on Aug. 2, 2002, now Pat. No. D,479,892, and which is a continuation-in-part of application No. 29/165,009, filed on Aug. 2, 2002, now Pat. No. D,475,471, and which is a continuation-in-part of application No. 29/165,011, filed on Aug. 2, 2002, now Pat. No. D,478,834.

(60) Provisional application No. 60/140,159, filed on Jun. 21, 1999. Provisional application No. 60/140,090, filed on Jun. 21, 1999.

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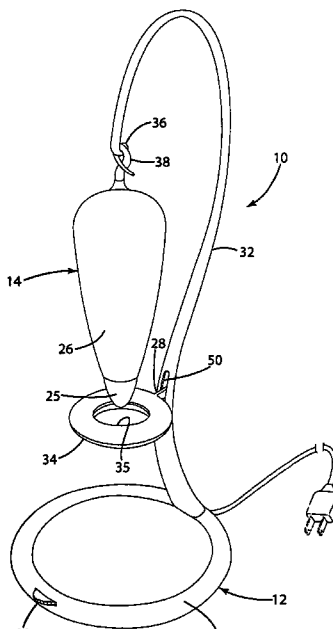
(60) Division of application No. 10/357,932, filed on Feb. 4, 2003, which is a continuation-in-part of application No. 10/133,860, filed on Apr. 26, 2002, now Pat. No. 6,731,071, and which is a continuation-in-part of application No. 09/592,194, filed on Jun. 12, 2000, now Pat. No. 6,436,299, and which is a continuation-in-part of application No. 10/246,155, filed on Sep. 18, 2002, now Pat. No. 6,825,620, and which is a continuation-in-part of application No. 10/175,095, filed on Jun. 18, 2002, now Pat. No. 6,673,250, which is a continuation-in-part of application No. 09/592,194, filed on Jun. 12, 2000, now Pat. No. 6,436,299. Said application No. 10/357,932 is a continuation-in-part of application No. 29/165,043, filed on Aug. 2, 2002, now Pat. No. D,476,095, and which is a continuation-in-part of application No. 29/165,008, filed on Aug. 2, 2002, now Pat. No. D,479,356, and which

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(52) **U.S. Cl. 315/248; 315/267**

(57) **ABSTRACT**

An inductive power supply system for providing power to one or more inductively powered devices. The system includes a mechanism for varying the physical distance or the respective orientation between the primary coil and secondary coil to control the amount of power supplied to the inductively powered device. In another aspect, the present invention is directed to an inductive power supply system having a primary coil and a receptacle disposed within the magnetic field generated by the primary coil. One or more inductively powered devices are placed randomly within the receptacle to receive power inductively from the primary coil. The power supply circuit includes circuitry for adjusting the power supplied to the primary coil to optimize operation based on the position and cumulative characteristics of the inductively powered device(s) disposed within the receptacle.



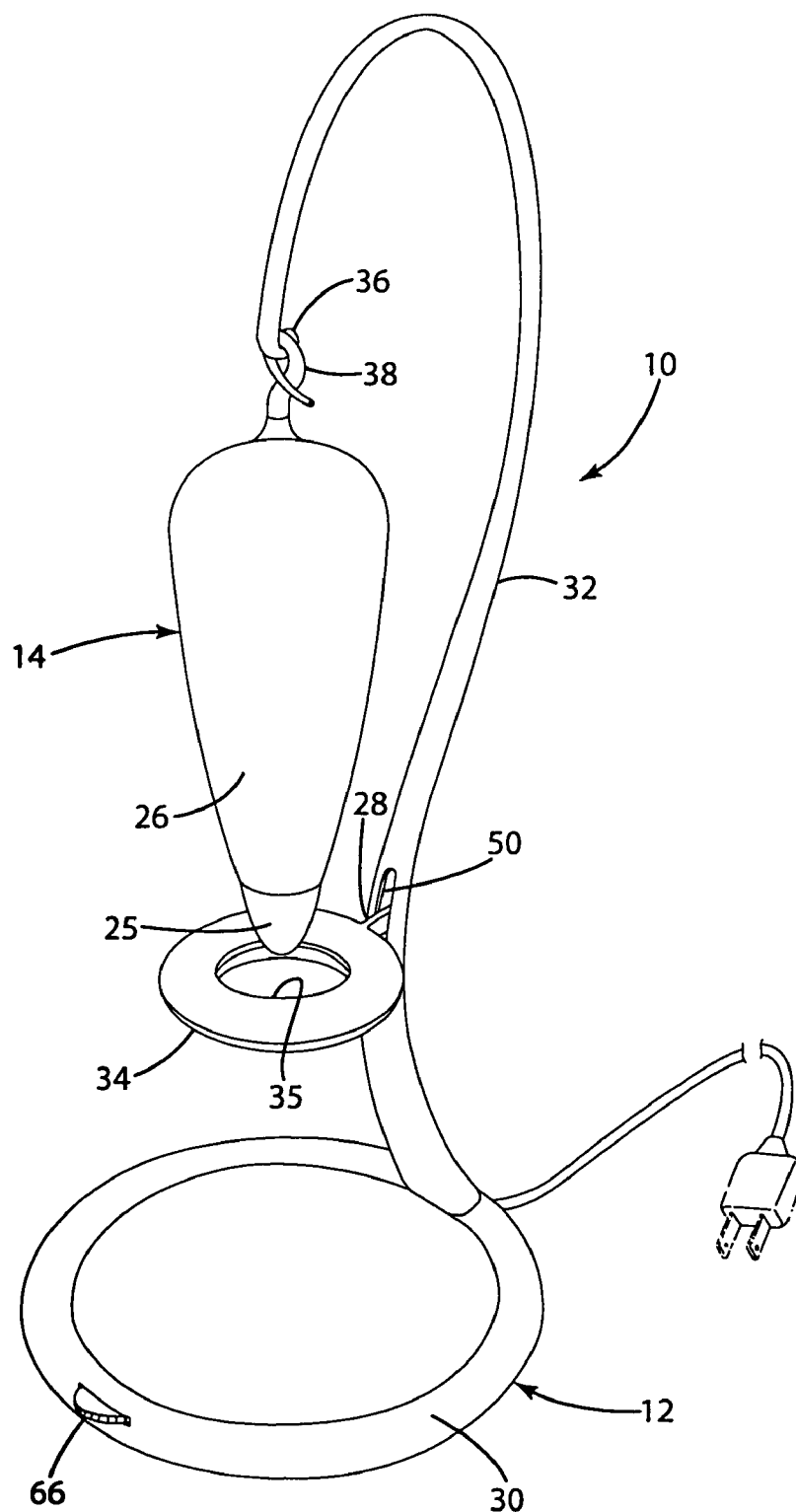
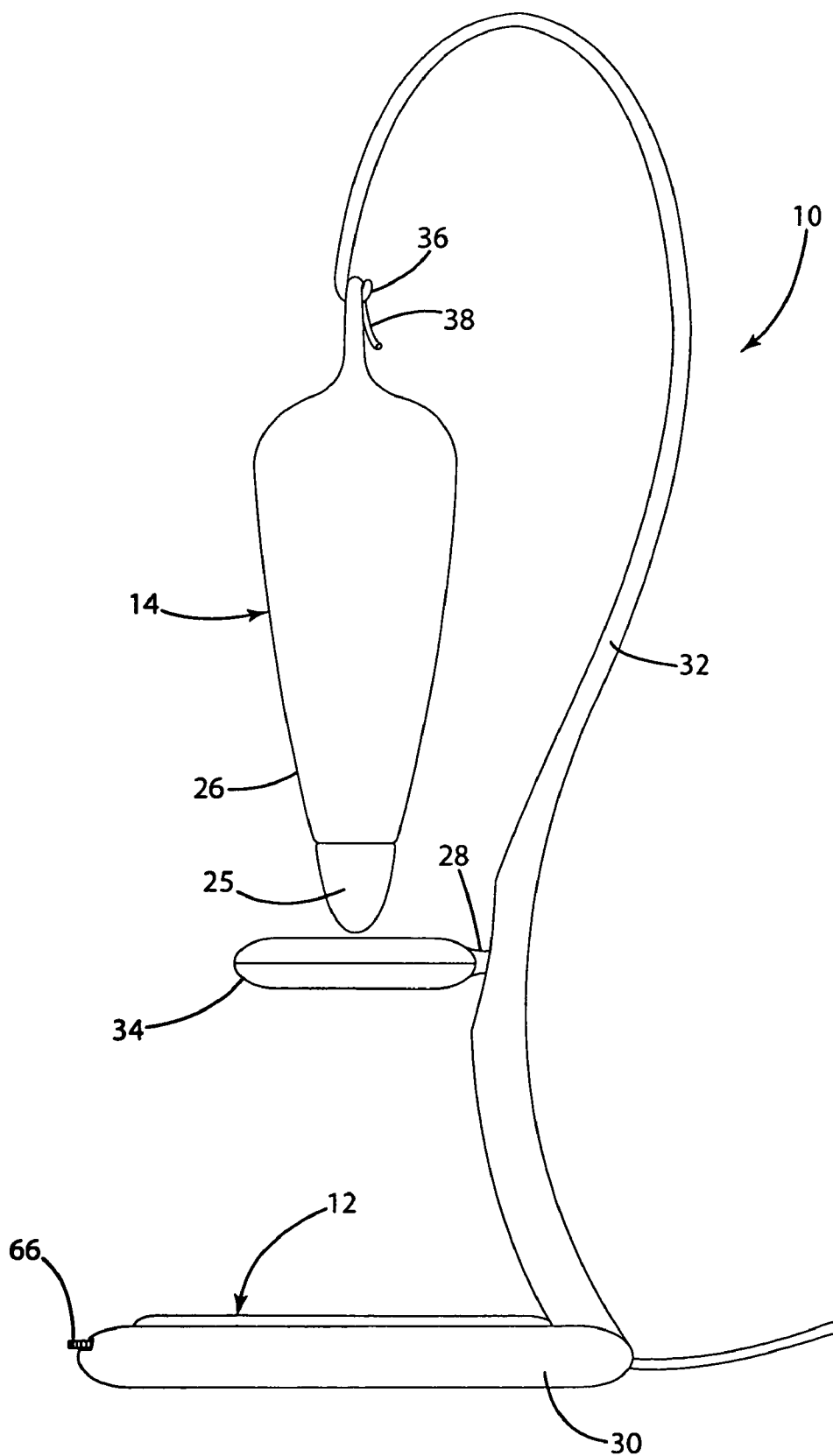


Fig. 1



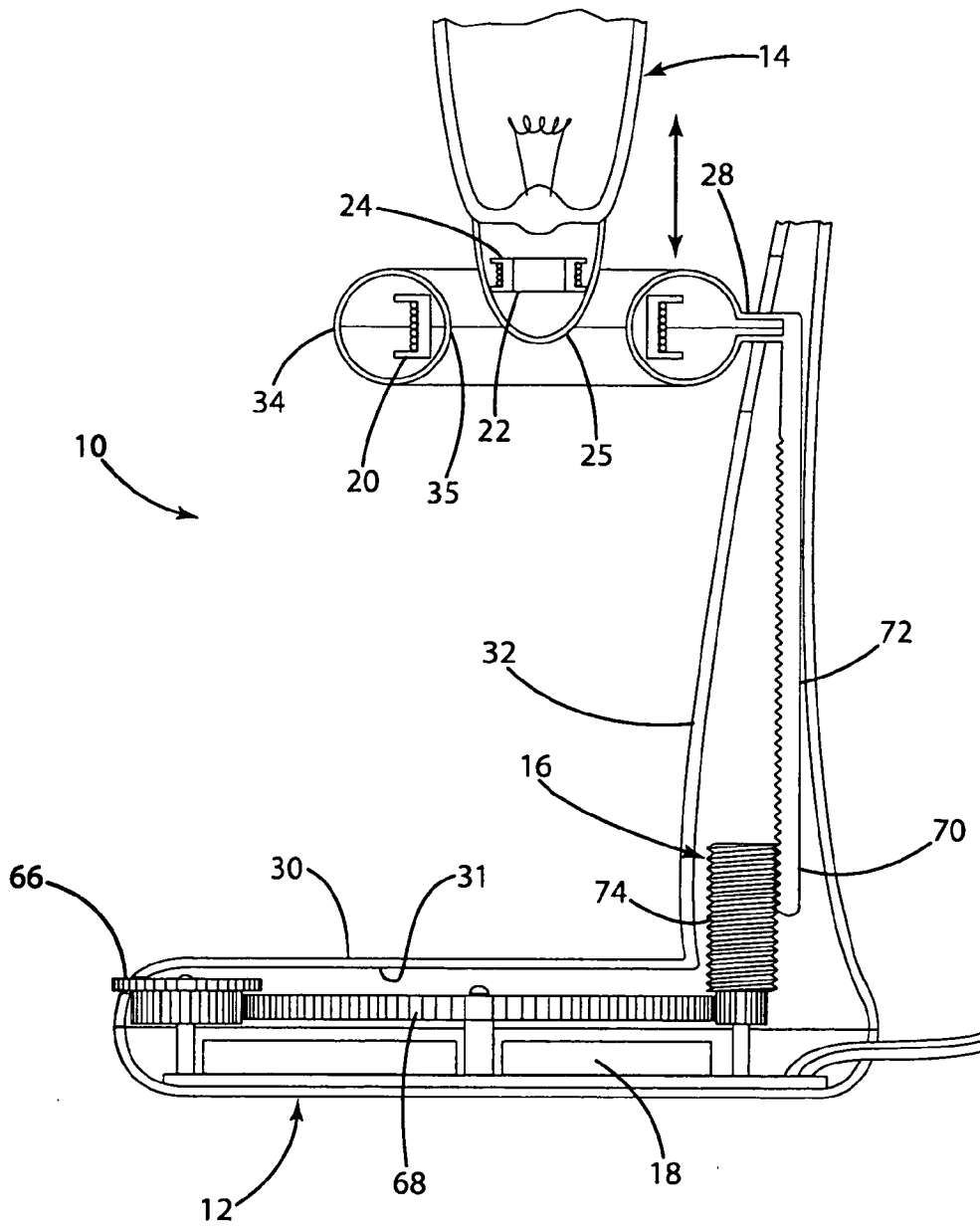


Fig. 3

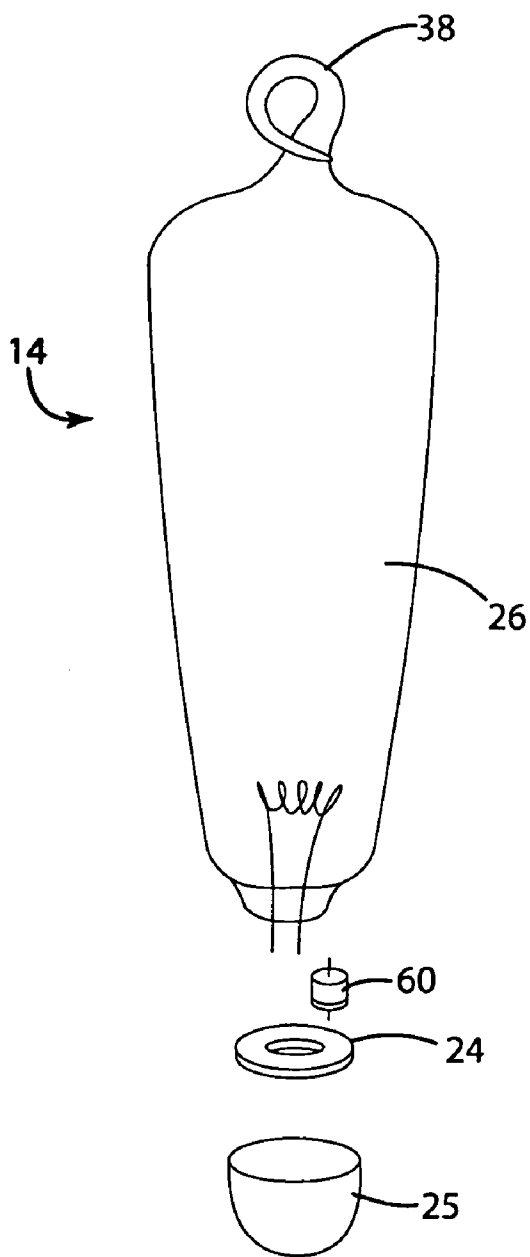


Fig. 4

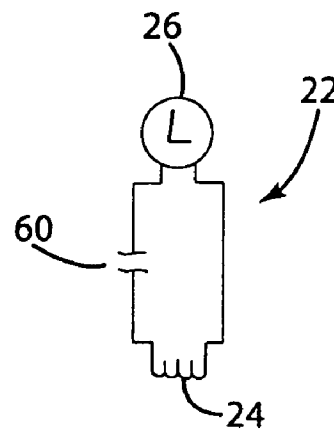


Fig. 5

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