

ABSTRACT

The invention relates to a magnetic suspension technology field, especially to a self-luminous suspension lamp, comprising a wireless charging device, a floater in which a light-emitting device and a magnet being configured, an electromagnetic coil configured below the floater, a suspension control system connected to the electromagnetic coil. The magnetic force generated by the electromagnetic coil keeps balance to the gravity of the whole floater so that the floater is suspended. A Hall sensor is configured below the floater, the displacement of the floater will cause the feedback of the Hall sensor. The suspension controller varies the output power according to the result of the feedback of the Hall sensor, to keep the floater in a stable status in real time. Hence, the invention provides a beauty and an effect of science for the domestic illumination, and provides an enjoyment for the life.

Fig. 1