

ABSTRACT OF THE DISCLOSURE**DRIVING DEVICE**

5 A driving device for driving a rotating shaft includes
a frame member, a magnetic pendulum unit, an
electromagnetic unit and a control unit. The magnetic
pendulum unit is rotatable about a center of the frame
member through which a rotating shaft extends and is
connected co-rotatably to the rotating shaft. The
10 electromagnetic unit and the control unit are spaced apart
and are mounted on the frame member. The control unit
is configured to turn on and off the electromagnetic unit
to generate a magnetic force between the magnetic pendulum
unit and the electromagnetic unit for facilitating
15 rotation of the magnetic pendulum unit and allow the
magnetic pendulum unit to pass by the electromagnetic
unit, respectively.

(FIG. 1 is suggested for publication)