

ABSTRACT

THE STABILISING OF AN ELECTRONIC CIRCUIT FOR REGULATING A MECHANICAL MOVEMENT OF A TIMEPIECE

The timepiece comprises an electrical energy generator (3) comprising a rotor (3a) and means (3b) for supplying said electrical energy in response to rotation of said rotor (3a), a source of mechanical energy (2), measuring means (Trig) coupled to said generator (3) for producing measurement pulses of the angular frequency of an alternating voltage supplied by the generator (3), braking means (K) responsive to a braking command signal for applying a braking torque to said rotor (3a), an electronic circuit (1) comprising reference means (Osc) for producing a reference signal (FR), and slaving control means (Div, Cmp, Tmr) arranged to control said braking means (K) when said measurement pulses are ahead with respect to the reference signal.

This timepiece is characterised in that it further comprises inhibition means (Inh) synchronous with said measurement pulses (IM) and arranged such as to avoid a splitting of said measurement pulses.

Figure 5