

ABSTRACTELECTRONIC TIMEPIECE POWERED BY A GENERATOR  
DRIVEN BY A MECHANICAL POWER SOURCE

The timepiece (1) includes a mainspring (2) driving the rotor (3a) of an electromechanical converter (3) and time display hands (6). A circuit (7) for enslaving the real angular position of the rotor (3a) to its desired angular position is supplied with electrical energy by the converter (3).

In order to increase the autonomy of the timepiece (1), the enslaving circuit (7) includes means (28) which store a portion of the electrical energy generated by the converter (3) and means (21, 23 to 27) which use this stored electrical energy to apply driving pulses (IM) to the converter (3) when the rotor (3a) has a greater retardation than a determined retardation, with respect to its desired angular position.

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Figure 2