

Title (en)

Stabilisation of an electronic circuit for regulating the mechanical movement of a timepiece

Title (de)

Stabilisation einer elektronischen Schaltung zur Regelung des mechanischen Gangwerks einer Zeitmessvorrichtung

Title (fr)

Stabilisation d'un circuit électronique de régulation du mouvement mécanique d'une pièce d'horlogerie

Publication

**EP 0806710 B1 20000816 (FR)**

Application

**EP 97107371 A 19970505**

Priority

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Abstract (en)

[origin: EP0806710A1] The movement is driven by a source of electrical energy including a magnetised rotor (3a) and an inductive winding (3b). Rotation by a coil spring (2) produces an alternating voltage (Ug) between a reference terminal (B0) and a terminal (B1) connected to a full-wave rectifier (5), which supplies the regulatory circuit (1). During each revolution a measuring pulse (IM) is generated (Trig) and compared (Cmp) with a reference signal (FR) from a fixed-frequency oscillator (Osc). When a pulse occurs in advance of the reference signal the rotor is braked, advantageously by a transistor switch (K) receiving a pulse (IF) from a delay register (Tmr).

IPC 1-7

**G04C 10/00**; **G04C 3/00**

IPC 8 full level

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CPC (source: EP US)

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Citation (examination)

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