

Title (en)

ANALOG ELECTRONIC WATCH HAVING A TIME RESET DEVICE FOLLOWING POWER SHORTAGE

Title (de)

ANALOGUE ELEKTRONISCHE UHR MIT VORRICHTUNG ZUR ZEITKORREKTUR NACH EINER MANGELHAFTEN ENERGIEZUFUHR

Title (fr)

MONTRE ELECTRONIQUE ANALOGIQUE AYANT UN DISPOSITIF DE REMISE A L'HEURE SUITE A UNE INSUFFISANCE D'ALIMENTATION

Publication

EP 1346264 B1 20070801 (FR)

Application

EP 01985360 A 20011129

Priority

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- EP 0114208 W 20011129
- EP 00204579 A 20001218

Abstract (en)

[origin: EP1215545A1] The motor stop system (14) is actuated by a first step level voltage (VS1) at the detection of insufficient supply to the motor (3) and remains actuated until a second greater voltage level (VS2) has been reached by the supply source. This second level corresponds to a set charge level for the supply source (9). The motor stop system is actuated for a time period sufficient to avoid the effects of load variation on the supply source for detection of low voltage. Electronic watch including an analogue display with hands (2) driven by a motor (3), a time base (4) controlling the motor drive (8), a rechargeable supply source (9) a motor stop system (14) and time counter (18) synchronized with the display for sufficient supply voltage. When an insufficient voltage supply is detected by the motor stop system (14), the display system (1) is stopped and the corresponding value of the counting system (18) is stored in memory (19). The time counter (18) continues to operate. A time difference calculator (20) sends, as soon as the supply voltage reaches a sufficient level, a time difference signal (21), between the memorized value and the counter, to the motor drive (8) to reset the analogue display time.

IPC 8 full level

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