

Title (en)
Electronic timepiece comprising a resonator

Title (de)
Elektronisches Uhrwerk mit einem Resonator

Title (fr)
Montre électronique comprenant un résonateur

Publication
EP 1890204 A1 20080220 (FR)

Application
EP 06118973 A 20060816

Priority
EP 06118973 A 20060816

Abstract (en)
The watch has a time base formed of a piezoelectric resonator (1) e.g. quartz resonator, and an oscillator circuit (2). An electric motor (5) drives needles (6). A circuit (4) controls the motor. A set of connection points supplies an oscillator circuit (2) of the base and the circuit (4). Another set of connection points controls the motor. The circuits (2, 4) are integrated in a single integrated circuit (7). The circuit (7) has a frequency divider (3) placed between an output of the circuit (2) and an input of the circuit (4) for providing signals at a frequency of controlling the motor.

Abstract (fr)
L'invention concerne une montre électronique comprenant un moteur électrique (5) pour entraîner des moyens d'affichage analogiques (6) et une base de temps (1, 2) comprenant un circuit oscillateur (2) et un résonateur (1), montés tous deux dans un même boîtier (9) caractérisé en ce que ledit boîtier comprend en outre un circuit de commande (4) dudit moteur électrique.

IPC 8 full level
G04C 3/00 (2006.01); **G04F 5/06** (2006.01)

CPC (source: EP KR US)
G04C 3/008 (2013.01 - EP US); **G04C 3/08** (2013.01 - KR); **G04C 3/14** (2013.01 - EP US); **G04F 5/063** (2013.01 - EP US)

Citation (search report)

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- [XY] US 3969640 A 19760713 - STAUDTE JUERGEN H
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1890204 A1 20080220; EP 1890204 B1 20111102; AT E532113 T1 20111115; CN 101506742 A 20090812; CN 101506742 B 20120606; ES 2376341 T3 20120313; HK 1133094 A1 20100312; JP 2010500583 A 20100107; JP 5124576 B2 20130123; KR 101390577 B1 20140430; KR 20090048459 A 20090513; TW 200827956 A 20080701; TW I430059 B 20140311; US 2010246340 A1 20100930; US 8149651 B2 20120403; WO 2008019819 A1 20080221

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EP 06118973 A 20060816; AT 06118973 T 20060816; CN 200780030463 A 20070814; EP 2007007172 W 20070814; ES 06118973 T 20060816; HK 09110289 A 20091105; JP 2009524112 A 20070814; KR 20097003078 A 20070814; TW 96129998 A 20070814; US 37782607 A 20070814