

Title (en)

MODE-SETTABLE ANALOG ELECTRONIC TIME PIECE WITH POSTURE SENSOR

Title (de)

ANALOGER ELEKTRONISCHER ZEITGEBER MIT MODUSEINSTELLUNG UND HALTUNGSSENSOR

Title (fr)

MONTRE ELECTRONIQUE ANALOGIQUE A MODE REGLABLE POURVUE D'UN CAPTEUR DE POSITION

Publication

EP 1273983 A4 20060607 (EN)

Application

EP 00948298 A 20000801

Priority

- JP 0005085 W 20000801
- JP 0002360 W 20000412

Abstract (en)

[origin: WO0179940A1] A mechanical timepiece, comprising a posture detection part (361) for detecting the posture of the mechanical timepiece, a timed annular balance rotation detection part (276) which is installed to detect a swing angle of the timed annular balance by detecting a variation in static electricity capacity between a timed annular balance static electricity capacity electrode part (240) and a static electricity capacity electrode for detection (250) which varies according to the operating condition of the timed annular balance (140), and a braking part (146) which, when the swing angle of the timed annular balance (140) detected by the timed annular balance rotation detection part (276) is equal to or more than a preset set angle, is formed so that a force to suppress the rotation of the timed annular balance (140) is given to the timed annular balance (140) based on the signals concerning the posture of the mechanical timepiece detected by the position detection part (361).

IPC 1-7

G04C 3/00; **G04C 3/14**; **G04C 10/00**; **G04G 1/00**

IPC 8 full level

G04C 3/00 (2006.01); **G04C 3/04** (2006.01); **G04C 3/14** (2006.01); **G04G 19/12** (2006.01)

CPC (source: EP)

G04C 3/002 (2013.01); **G04C 3/146** (2013.01); **G04G 19/12** (2013.01)

Citation (search report)

- [A] PATENT ABSTRACTS OF JAPAN vol. 002, no. 088 (E - 044) 19 July 1978 (1978-07-19)
- See references of WO 0179941A1

Cited by

FR2978567A1; US9423776B2; WO2013017384A1

Designated contracting state (EPC)

CH LI

DOCDB simple family (publication)

EP 1273983 A1 20030108; **EP 1273983 A4 20060607**; EP 1273982 A1 20030108; EP 1273982 A4 20060607; JP WO2001079940 A1 20040617; JP WO2001079941 A1 20040617; WO 0179940 A1 20011025; WO 0179941 A1 20011025

DOCDB simple family (application)

EP 00948298 A 20000801; EP 00917278 A 20000412; JP 0002360 W 20000412; JP 0005085 W 20000801; JP 2001576545 A 20000412; JP 2001576546 A 20000801