Title (en)
  Mechanical oscillator

Title (de)
  Mechanischer Oszillator

Title (fr)
  Oscillateur mecanique

Publication
  EP 2090941 A1 20090819 (FR)

Application
  EP 08101699 A 20080218

Priority
  EP 08101699 A 20080218

Abstract (en)
  The oscillator has an oscillatory system constituted of a balance (1) and a return spring (3). A frequency correction device (20) has flexible elastic straps (9, 10) that are supported on a T-shaped connection member or stop (8). The straps have ends connected to a fixation and adjusting interface (11) via pins (12, 13) using locking screws (15, 16), respectively. The interface is secured to a frame (4) by a screw (17), and the member or stop is directly fixed to the balance. The member or stop is pressed against free ends of the straps during a part of oscillation period.

Abstract (fr)
  Oscillateur mécanique, comportant un système oscillant formé d'un balancier (1) et de son ressort de rappel (3). Cet oscillateur comporte, en outre, deux lames élastiques (9,10) fixées par une extrémité et agissant en opposition de manière intermittente par leur autre extrémité sur un organe de liaison (8) solidaire du système oscillant.

IPC 8 full level
  G04B 1/22 (2006.01); **G04B 17/00** (2006.01)

CPC (source: EP US)
  G04B 1/22 (2013.01 - EP US); **G04B 17/00** (2013.01 - EP US)

Citation (applicant)
  EP 1736838 A1 20061227 - SUISSE ELECTRONIQUE MICROTECH [CH]

Citation (search report)
  • [A] CH 279954 A 19511231 - ANDREWS GEORGE STRAFFORD [US]
  • [DA] EP 1736838 A1 20061227 - SUISSE ELECTRONIQUE MICROTECH [CH]

Cited by
  CN111344640A; FR3048792A1; FR3048791A1; CN109478035A; EP2911012A1; US11460811B2; US9207641B2; US11029649B2; WO2017157868A1; WO2017157870A1; EP3076245A1; US10452027B2; EP3299905A1; US10317843B2; EP2290476A1; EP2553533B2

Designated contracting state (EPC)
  CH DE FR GB LI

Designated extension state (EPC)
  AL BA MK RS

DOCDB simple family (publication)
  EP 2090941 A1 20090819; **EP 2090941 B1 20111019**; US 2009207700 A1 20090820; US 7963693 B2 20110621

DOCDB simple family (application)
  EP 08101699 A 20080218; US 37209109 A 20090217