Title (en)

OSCILATOR FOR MECHANICAL CLOCKWORK

Title (de)

OSZILLATOR FÜR EINE MECHANISCHE UHRWERKSBEWEGUNG

Title (fr)

OSCILLATEUR POUR UN MOUVEMENT HORLOGER MÉCANIQUE

Publication

EP 3365734 A1 20180829 (FR)

Application

EP 16788814 A 20161021

Priority

- CH 15532015 A 20151023
- IB 2016056341 W 20161021

Abstract (en)

[origin: WO2017068538A1] The present invention relates to an oscillator for adjusting a mechanical timepiece movement, the oscillator (1) comprising an escapement wheel (5) and a resonator (3) that forms the time base of the oscillator (1); the resonator (3) including a mass element (32) that is kept in oscillation by at least two vibrating elements (31); the mass element (32) including at least one anchor portion (4) that is rigidly connected to the mass element (32), and is configured so as to directly engage with the escapement wheel (5) in order to maintain oscillations of the resonator (3), and so as to allow the escapement wheel (5) to move with each alternation of the oscillations; the first resonator (3) also including a base (2) that is intended to be mounted in a stationary or movable manner on the timepiece movement; the mass element (32) being supported only by the base (2) via the vibrating element (31).

IPC 8 full level

G04B 17/04 (2006.01)

CPC (source: EP)

G04B 15/06 (2013.01); **G04B 15/14** (2013.01); **G04B 17/045** (2013.01); **G04B 43/007** (2013.01)

Citation (search report)

See references of WO 2017068538A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017068538 A1 20170427; **WO 2017068538 A9 20170608**; CN 108139712 A 20180608; CN 108139712 B 20201013; EP 3365734 A1 20180829; EP 3365734 B1 20190904; JP 2018531390 A 20181025; JP 6646743 B2 20200214

DOCDB simple family (application)

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