

Title (en)

Timepiece oscillator

Title (de)

Oszillator einer Uhr

Title (fr)

Oscillateur de pièce d'horlogerie

Publication

**EP 2911012 B1 20200722 (FR)**

Application

**EP 14156053 A 20140220**

Priority

- EP 14156053 A 20140220
- CH 2302014 A 20140220

Abstract (en)

[origin: US2015234354A1] The invention relates to a rotating oscillator for a timepiece comprising a support element designed to allow the oscillator to be assembled on a timepiece, a balance, a plurality of flexible blades connecting the support element to the balance and able to exert a return torque on the balance, and a fellow mounted secured to the balance. The plurality of flexible blades comprises at least two flexible blades, including a first blade positioned in a first plane perpendicular to the plane of the oscillator, and a second blade positioned in a second plane perpendicular to the plane of the oscillator and intersecting the first plane. The geometric oscillation axis of the oscillator is defined by the intersection of the first plane and the second plane, said geometric oscillation axis crossing the first and second blades at 7/8th of their respective lengths

IPC 8 full level

**G04B 17/04** (2006.01)

CPC (source: EP US)

**G04B 17/04** (2013.01 - US); **G04B 17/045** (2013.01 - EP US); **G04B 17/10** (2013.01 - US)

Cited by

WO2018109584A1; EP3416001A1; EP3410229A1; WO2017068538A1; WO2017055983A1; US11934149B2; EP3182214A1; EP3276431A1; CN108138837A; JP2018535431A; EP3200029A1; CN110632838A; EP3035126A1; JP2017503155A; JP2017223702A; JP2017223701A; US9836024B2; EP3206089A1; RU2729625C2; EP3572885A1; WO2017102917A1; WO2016096677A1; WO2018153664A3; EP2998800A3; EP3435171A3; EP3936946A1; WO2022009102A1; EP3182213A1; FR3059792A1; EP3435172A3; JP2019536053A; CN110692022A; EP3326963A1; US9971303B2; US10895845B2; WO2017102916A1; WO2018100122A1; US11454932B2; EP4286959A1; EP3382470A1; EP4343450A1; EP3410230A1; EP4009113A1; WO2018153664A2; EP4276543A1; US11809136B2; EP4012506A1; WO2024100597A1; EP4016193A1; EP4016194A1; US10838364B2; WO2021009613A1; EP3839651A1; US9958831B2; EP3355130A1; EP3882714A1; WO2021186333A1; EP3627242A1; EP3686693A1; EP4310599A1; US10359737B2; EP3792700A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**US 2015234354 A1 20150820**; **US 9207641 B2 20151208**; CH 709291 A2 20150828; EP 2911012 A1 20150826; EP 2911012 B1 20200722

DOCDB simple family (application)

**US 201514627953 A 20150220**; CH 2302014 A 20140220; EP 14156053 A 20140220