

Title (en)

Paraxial, isochronous timepiece resonator

Title (de)

Achspareller und isochroner Resonator einer Uhr

Title (fr)

Résonateur d'horlogerie paraxial et isochrone

Publication

EP 3001257 B1 20180117 (FR)

Application

EP 14186657 A 20140926

Priority

EP 14186657 A 20140926

Abstract (en)

[origin: US2016091862A1] A timepiece resonator including one weight connected by flexible strips to fixed attachment points of a fixed structure, this weight being subjected to a torque and/or a stress, and oscillating with at least two degrees of freedom in translation, and these flexible strips maintain the oscillations of this weight about a virtual pivot.

IPC 8 full level

G04B 17/04 (2006.01)

CPC (source: EP RU US)

G04B 1/00 (2013.01 - RU); **G04B 17/04** (2013.01 - US); **G04B 17/045** (2013.01 - EP US); **G04B 17/32** (2013.01 - EP US)

Citation (examination)

EP 2151722 A1 20100210 - ROLEX SA [CH]

Cited by

US2017090422A1; US9921547B2; US2018143591A1; US10579020B2; US11543775B2; EP3667432A1; CN111324027A; WO2018146639A1; WO2022106434A1; US11520291B2; US11520292B2

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)

EP 3001257 A1 20160330; EP 3001257 B1 20180117; CH 710188 A2 20160331; CN 105467810 A 20160406; CN 105467810 B 20171128; HK 1223163 A1 20170721; JP 2016070928 A 20160509; JP 6154864 B2 20170628; RU 2015140956 A 20170330; RU 2015140956 A3 20190328; RU 2695518 C2 20190723; US 2016091862 A1 20160331; US 9429916 B2 20160830

DOCDB simple family (application)

EP 14186657 A 20140926; CH 14602014 A 20140926; CN 201510622746 A 20150925; HK 16111306 A 20160927; JP 2015183560 A 20150917; RU 2015140956 A 20150925; US 201514863513 A 20150924