

Title (en)

RESONATOR WITH FINE TUNING THROUGH INDEX-ASSEMBLY

Title (de)

RESONATOR MIT FEINEINSTELLUNG DURCH RÜCKERVORRICHTUNG

Title (fr)

RÉSONATEUR À RÉGLAGE FIN PAR RAQUETTERIE

Publication

EP 3304215 B1 20190306 (FR)

Application

EP 16725412 A 20160513

Priority

- EP 15170557 A 20150603
- EP 2016060814 W 20160513

Abstract (en)

[origin: WO2016192957A1] The invention relates to an inertia-elasticity resonator (11) comprising a hairspring (21, 41) coupled to a flywheel (13) and a system for adjusting the frequency of the resonator, comprising an index-assembly (31) arranged to cooperate with one coil (26, 261, 262, 263, 46) of the hairspring (21, 41) in order to selectively choose the active length of the hairspring (21, 41). According to the invention, the portion of the coil (26, 261, 262, 263, 46) of the hairspring (21, 41) cooperating with the index-assembly (31) comprises at least one zone (24, 241, 242, 243, 42, 44, 48) with cross-section greater than the other coils of the hairspring, in order to more finely adjust the frequency of the resonator (11).

IPC 8 full level

G04B 17/06 (2006.01); **G04B 18/02** (2006.01)

CPC (source: CN EP US)

G04B 17/066 (2013.01 - CN EP US); **G04B 17/26** (2013.01 - CN EP US); **G04B 17/325** (2013.01 - US); **G04B 18/02** (2013.01 - CN EP US)

Cited by

EP4286962A1

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)

WO 2016192957 A1 20161208; CN 107710081 A 20180216; CN 107710081 B 20191210; EP 3304215 A1 20180411; EP 3304215 B1 20190306; HK 1249594 A1 20181102; JP 2018514786 A 20180607; JP 6549251 B2 20190724; US 10474104 B2 20191112; US 2018120769 A1 20180503

DOCDB simple family (application)

EP 2016060814 W 20160513; CN 201680032118 A 20160513; EP 16725412 A 20160513; HK 18109025 A 20180711; JP 2017559353 A 20160513; US 201615570793 A 20160513