

Title (en)

Timepiece pallet for mechanical oscillator and timer-controlled timepiece trigger mechanism

Title (de)

Uhranker für mechanischen Oszillator, und Mechanismus zur Zeitauslösung der Uhr

Title (fr)

Ancre d horlogerie pour oscillateur mécanique et mécanisme de déclenchement temporisé d horlogerie

Publication

EP 2947522 B1 20170503 (FR)

Application

EP 14169042 A 20140520

Priority

EP 14169042 A 20140520

Abstract (en)

[origin: CN105093896A] A timepiece pallet fork for a mechanical oscillator including an arbor allowing the timepiece pallet fork to oscillate about a pivot axis, first and second pallets configured to alternatively engage with an escapement wheel when the timepiece pallet fork oscillates, the first pallet being displaceable with respect to the arbor by absorption of energy, the first pallet being displaceable from a first upstream waiting position to a first downstream stopping end position which is offset compared to the first upstream waiting position, and a first arm having an intermediate section including an elastic bend, one end of the arm being fixed with respect to the arbor to form a first fixed end, the intermediate section of the first arm being located between the first fixed end and the first pallet and returning the first pallet towards the first upstream waiting position by the intermediate section being elastically deformable from a first configuration into a second configuration.

IPC 8 full level

G04B 15/06 (2006.01); **G04B 15/08** (2006.01)

CPC (source: EP US)

G04B 15/06 (2013.01 - EP US); **G04B 15/08** (2013.01 - EP US); **G04B 15/14** (2013.01 - US); **G04B 21/00** (2013.01 - US); **G04B 21/027** (2013.01 - US); **G04B 21/06** (2013.01 - US); **G04B 21/10** (2013.01 - US)

Cited by

FR3048791A1; US11460811B2; WO2017157868A1

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 2947522 A1 20151125; EP 2947522 B1 20170503; CN 105093896 A 20151125; CN 105093896 B 20190212; HK 1217046 A1 20161216; JP 2015219243 A 20151207; JP 6541427 B2 20190710; US 10234823 B2 20190319; US 2015338827 A1 20151126; US 2017082977 A1 20170323; US 9547277 B2 20170117

DOCDB simple family (application)

EP 14169042 A 20140520; CN 201510259481 A 20150520; HK 16105000 A 20160503; JP 2015101757 A 20150519; US 201514709516 A 20150512; US 201615368045 A 20161202