

Title (en)

Timepiece with oscillators coupled in chronograph mode

Title (de)

Uhr mit nach Art eines Chronografen gekoppelten Oszillatoren

Title (fr)

Pièce d'horlogerie à oscillateurs couplés en mode chronographe

Publication

EP 2570869 B1 20160406 (FR)

Application

EP 11181505 A 20110915

Priority

EP 11181505 A 20110915

Abstract (en)

[origin: EP2570869A1] The timepiece (1) has an oscillator (15) oscillating at a frequency and connected by a gear train (5) to an energy source (9) to display the time. A chronograph system (51) comprises another gear train (25) that is connected to the former gear train via a coupling device, and another oscillator (35) that is connected to the latter gear train and oscillates at another frequency. The latter gear train is connected to the former gear train by an elastic coupling unit (41) to synchronize the rate of the oscillators using the energy source when the coupling unit authorizes time measurement.

IPC 8 full level

G04B 17/22 (2006.01); **G04B 17/26** (2006.01); **G04F 7/08** (2006.01)

CPC (source: CH EP US)

G04B 17/20 (2013.01 - CH EP US); **G04B 17/26** (2013.01 - EP US); **G04F 7/08** (2013.01 - US); **G04F 7/0823** (2013.01 - EP US)

Cited by

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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 2570869 A1 20130320; EP 2570869 B1 20160406; CH 705493 A2 20130315; CH 705493 B1 20190430; CN 102998967 A 20130327; CN 102998967 B 20150610; HK 1183713 A1 20140103; JP 2013064737 A 20130411; JP 5486059 B2 20140507; RU 2012139632 A 20140320; RU 2598299 C2 20160920; US 2013070568 A1 20130321; US 8905630 B2 20141209

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