Title (en)

Regulating mechanism for watch or chronograph

Title (de)

Regulierorgan für Armbanduhr oder Chronografen

Title (fr)

Organe réglant pour montre ou chronographe

Publication

EP 2613205 A3 20160713 (FR)

Application

EP 13150558 A 20130108

Priority

- CH 322012 A 20120109
- CH 302012 A 20120109

Abstract (en)

[origin: EP2613205A2] The device has a vibratory oscillator (100) connected mechanically to an anchor (80) having impulse surfaces receiving alternately a mechanical impulse of teeth of an escapement wheel (60), so as to maintain isochronous oscillations of the oscillator and to advance a tooth of the escapement wheel at each alternation of the oscillations. A barrel (32) drives the escapement wheel through a gear train (35), where the teeth of the wheel and the anchor are arranged to allow an operation mode in which the escapement wheel has only one resting phase for each two, three, or more alternations. An independent claim is also included for a method for operating a timepiece movement or chronograph.

IPC 8 full level

G04B 17/04 (2006.01); **G04B 15/08** (2006.01); **G04B 15/14** (2006.01); **G04B 17/06** (2006.01)

CPC (source: EP)

G04B 15/08 (2013.01); **G04B 15/14** (2013.01); **G04B 17/045** (2013.01); **G04B 17/06** (2013.01)

Citation (search report)

- [IA] WO 2011120180 A1 20111006 - ROLEX SA [CH], et al
- [IY] CH 442153 A 19670331 - GOLAY BERNARD SA [CH]
- [I] CH 702689 B1 20110831 - PATEK PHILIPPE SA GENEVE [CH]
- [I] FR 2320588 A1 19770304 - EBAUCHESFABRIK ETA AG [CH]
- [A] FR 442393 A 19120830 - CLAUDE GRIVOLAS [FR]
- [Y] US 675582 A 19010604 - ARNOLD CHARLES R [US]
- [A] CH 464083 A 19680229 - GOLAY BERNARD SA [CH]

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EP3032350A1; EP3032351A1; CN115437231A; EP3499317A1; CN109917632A; EP3032352A1; JP2018503078A; US10528005B2; US10372082B2; WO2016091951A1; WO2016091632A1; WO2016091823A1; US10520890B2; US12055896B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2613205 A2 20130710; **EP 2613205 A3 20160713**

DOCDB simple family (application)

EP 13150558 A 20130108