

Title (en)  
Escapement mechanism

Title (de)  
Hemmungsmechanismus

Title (fr)  
Mécanisme d'échappement

Publication  
**EP 2105806 B1 20131113 (FR)**

Application  
**EP 08153450 A 20080327**

Priority  
EP 08153450 A 20080327

Abstract (en)  
[origin: EP2105806A1] The mechanism has a spring-blade (12) to accumulate mechanical energy issued from a motorized source between pulses and to transmit the pulses to a regulator i.e. balance spring (10), through a winding latch (26). The blade is mounted on a deformable chassis (50) that is deformed symmetrically with respect to an axis (AA) through rotation axes of the regulator, the latch and by a turning point of the blade, and is deformed with respect to another axis (BB) perpendicular to the axis (AA), and passing through ends of the spring-blade. The blade and the chassis are made of silicon. Independent claims are also included for the following: (1) a monoblock piece for assembling an escapement mechanism and comprising a rigidification portion between a part of a latch and chassis (2) a method for mounting a escapement mechanism.

IPC 8 full level  
**G04B 15/14** (2006.01); **G04B 17/04** (2006.01)

CPC (source: EP US)  
**G04B 15/10** (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US); **G04B 17/045** (2013.01 - EP US)

Cited by  
WO2013144236A1; EP3056948B1; EP3492996A1; EP2444860A1; EP2645189A1; CH712631A1; KR20140135810A; EP2781969A1; CN111278765A; RU2749943C2; US11467542B2; EP2706416A1; EP2818941A1; EP4016198A1; US11543775B2; US9903049B2; WO2016113704A3; WO2013144238A1; US9304493B2; WO2013144237A1; US9207640B2; US9244434B2; US12055896B2; EP3076245A1; US10452027B2; WO2014037319A1; WO2017055986A1; WO2018115014A3; US9075394B2; US9594349B2; US9927772B2; EP2553533B2

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DOCDB simple family (publication)  
**EP 2105806 A1 20090930; EP 2105806 B1 20131113**; CN 101981521 A 20110223; CN 101981521 B 20121024; HK 1149332 A1 20110930; JP 2011515690 A 20110519; JP 5396462 B2 20140122; US 2011019506 A1 20110127; US 8303167 B2 20121106; WO 2009118310 A1 20091001

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**EP 08153450 A 20080327**; CN 200980110462 A 20090324; EP 2009053439 W 20090324; HK 11103318 A 20110401; JP 2011501198 A 20090324; US 93420409 A 20090324