Title (en)

Escapement mechanism, in particular for a clockwork

Title (de)

Hemmungsmechanismus, insbesondere für Uhrwerk

Title (fr)

Mécanisme d'échappement notamment pour mouvement d'horlogerie

Publication

EP 2506091 A3 20171025 (FR)

Application

EP 12001977 A 20120321

Priority

CH 5902011 A 20110331

Abstract (en)

[origin: EP2506091A2] The mechanism has an impulsion lever (8) pivoted on a part of a frame of a timepiece movement and co-operating with an escapement gear (1) and control elements. The control elements are fixed to an arbor of a hairspring. An outer end (11-1) of a constant force auxiliary spring (11) i.e. helical spring, is fixed on the part of the frame of the movement, while an inner end of the auxiliary spring is angularly fixed to the impulsion lever. The impulsion lever is mounted on the movement so as to be angularly and axially displaceable with respect to the frame of the movement. An independent claim is also included for a timepiece movement.

IPC 8 full level

G04B 15/06 (2006.01); **G04B 15/08** (2006.01); **G04B 15/10** (2006.01); **G04B 17/26** (2006.01)

CPC (source: EP US)

G04B 15/06 (2013.01 - EP US); **G04B 15/08** (2013.01 - EP US); **G04B 15/10** (2013.01 - EP US); **G04B 17/26** (2013.01 - EP US)

Citation (search report)

- [XAI] SU 115942 A2 19581130 - KURITSKIJ A M
- [A] US 1336263 A 19200406 - SVEN TIDEMAN
- [A] EP 1770452 A1 20070404 - BAUMBERGER PETER [CH]

Cited by

EP3901707A1; US11796962B2

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 2506091 A2 20121003; **EP 2506091 A3 20171025**; **EP 2506091 B1 20190508**; CH 704764 A2 20121015; CN 102736503 A 20121017; JP 2012215576 A 20121108; US 2012250467 A1 20121004

DOCDB simple family (application)

EP 12001977 A 20120321; CH 5902011 A 20110331; CN 201210091172 A 20120330; JP 2012094213 A 20120330; US 201213434914 A 20120330