

Title (en)

Timepiece movement equipped with an inertia clutch

Title (de)

Uhrwerk, das mit einer Schwungkraft-Kupplungsvorrichtung ausgestattet ist

Title (fr)

Mouvement d'horlogerie muni d'un mécanisme d'embrayage inertiel

Publication

**EP 2192455 A1 20100602 (FR)**

Application

**EP 09177515 A 20091130**

Priority

- EP 08020803 A 20081201
- EP 09177515 A 20091130

Abstract (en)

The movement has a centrifugal coupling mechanism with two coupling mobile parts (411, 412), where rotation of one of the mobile parts drives rotation of the other mobile part. The centrifugal coupling mechanism includes an inertial pawl secured to a hub (415) of the former mobile part and meshed with stops (416) secured to the latter mobile part. The inertial pawl is constituted by pressure levers (413) and strips (414), and the latter mobile part intermeshes with a weight pinion of an oscillating weight.

Abstract (fr)

Il s'agit d'un mécanisme d'embrayage (41) comprenant un premier et un deuxième mobile d'embrayage (411,412), la rotation dudit premier mobile d'embrayage (411) entraînant la rotation dudit deuxième mobile d'embrayage (412). Le mécanisme d'embrayage est un mécanisme d'embrayage centrifuge comprenant un cliquet inertiel (413,414) solidaire du moyeu (415) du premier mobile d'embrayage (411), et venant en prise avec des butées (416) solidaires dudit deuxième mobile (412).

IPC 8 full level

**G04B 23/12** (2006.01); **G04B 5/12** (2006.01); **G04B 11/00** (2006.01); **G04B 25/04** (2006.01)

CPC (source: EP KR US)

**G04B 1/12** (2013.01 - EP US); **G04B 5/12** (2013.01 - EP US); **G04B 11/006** (2013.01 - EP US); **G04B 23/12** (2013.01 - EP KR US); **G04B 25/04** (2013.01 - EP KR US)

Citation (search report)

- [X] CH 161131 A 19330415 - BALLAND & CO [CH]
- [A] FR 2234591 A1 19750117 - CITIZEN WATCH CO LTD [JP]

Designated contracting state (EPC)

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 SE SI SK SM TR

DOCDB simple family (publication)

**EP 2175329 A1 20100414; EP 2175329 B1 20110216**; AT E498860 T1 20110315; CN 101750952 A 20100623; CN 101750952 B 20130116; CN 101750957 A 20100623; CN 101750957 B 20130116; DE 602008005027 D1 20110331; EP 2192455 A1 20100602; EP 2214065 A1 20100804; EP 2214065 B1 20170208; HK 1145548 A1 20110421; HK 1145549 A1 20110421; JP 2010127944 A 20100610; JP 2010127945 A 20100610; JP 5543182 B2 20140709; JP 5543183 B2 20140709; KR 101586091 B1 20160115; KR 20100062913 A 20100610; KR 20100062939 A 20100610; US 2010135126 A1 20100603; US 2010135127 A1 20100603; US 7896542 B2 20110301; US 8305848 B2 20121106

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**EP 08020803 A 20081201**; AT 08020803 T 20081201; CN 200910246679 A 20091201; CN 200910246682 A 20091201; DE 602008005027 T 20081201; EP 09167567 A 20081201; EP 09177515 A 20091130; HK 10111913 A 20101221; HK 10111915 A 20101221; JP 2009273486 A 20091201; JP 2009273494 A 20091201; KR 20090110589 A 20091117; KR 20090117475 A 20091201; US 62836609 A 20091201; US 62852909 A 20091201