

Title (en)

Timepiece movement equipped with a vibrating alarm

Title (de)

Uhrwerk, das mit einem Vibrationswecker ausgestattet ist

Title (fr)

Mouvement d'horlogerie muni d'une alarme vibrante

Publication

EP 2175329 B1 20110216 (FR)

Application

EP 08020803 A 20081201

Priority

EP 08020803 A 20081201

Abstract (en)

[origin: EP2175329A1] The movement (1) has a barrel (46) coupled to an activating device and a vibrating element (2) by a kinematic chain (4) for forming a vibrating alarm mechanism that is triggered at a predetermined time, where the vibrating element is an oscillating mass. Another barrel (36) is coupled to the oscillating mass by another kinematic chain (3) for automatic reassembly of the movement. The former barrel is locked in rotation by a ratchet (48) in outside of alarm time, and free in rotation while triggering an alarm. An independent claim is also included for a clockwork device comprising a support.

IPC 8 full level

G04B 23/12 (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)

Cited by

CN106970513A

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 MT NL NO PL PT RO SE SI SK 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

DOCDB simple family (application)

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