

Title (en)
Clearance compensation mechanism for clock movement

Title (de)
Spielausgleichsmechanismus für Uhrwerk

Title (fr)
Mécanisme de rattrapage de jeu pour mouvement d'horlogerie

Publication
EP 2407833 B1 20130313 (FR)

Application
EP 10007238 A 20100714

Priority
EP 10007238 A 20100714

Abstract (en)
[origin: EP2407833A1] The mechanism has a cam (39) and a wheel (33) connected together, so that revolution of the wheel has series of phase, in which the wheel drives the cam when the cam and actuating member cooperate to arm the member, another phase in which the member is disarmed and make a jump at the cam and a third phase, in which the cam is immobilized and the wheel continues to move to compensate the cam for leading the former phase of next revolution. A return spring (54) i.e. coaxial coil spring, acts between the cam and the wheel, and applies return torque to the wheel during third phase. An independent claim is also included for a clock movement comprising a clearance compensation mechanism.

IPC 8 full level
G04B 35/00 (2006.01); **G04B 19/253** (2006.01)

CPC (source: EP US)
G04B 19/25373 (2013.01 - EP US); **G04B 35/00** (2013.01 - EP US)

Cited by
CH717278A1; EP3677970A1; EP3686694A1; US11899401B2; EP3451077A1

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 SE SI SK SM TR

DOCDB simple family (publication)
EP 2407833 A1 20120118; EP 2407833 B1 20130313; CN 102375399 A 20120314; CN 102375399 B 20141022; HK 1160519 A1 20120817; JP 2012021987 A 20120202; JP 5840405 B2 20160106; US 2012014224 A1 20120119; US 8675453 B2 20140318

DOCDB simple family (application)
EP 10007238 A 20100714; CN 201110193825 A 20110705; HK 12100793 A 20120127; JP 2011154527 A 20110713; US 201113182534 A 20110714