

Title (en)

Flying pendulum with flying balance wheel for clockwork

Title (de)

Bewegliches Tourbillon mit beweglicher Unruh für Uhrwerk

Title (fr)

Tourbillon volant a balancier volant pour mouvement horloger

Publication

**EP 2725433 B1 20150429 (FR)**

Application

**EP 12190230 A 20121026**

Priority

EP 12190230 A 20121026

Abstract (en)

[origin: EP2725433A1] The tourbillon (1) has a cage (18) mounted rotatively on a frame element of a clockwork movement through a cage bearing. The cage carries a balance shaft (6) that bears a balance (4), an escapement mobile (26) and an anchor (28) and a hairspring (2). The balance shaft is secured to the cage, and the balance is mounted to pivot with respect to the balance shaft by a balance bearing. The cage bearing includes a central part formed of hub and a ring and an external part i.e. nut, where one of the parts is secured to the cage, and another part is secured to the movement. Independent claims are also included for the following: (1) a clockwork movement (2) a timepiece.

IPC 8 full level

**G04B 17/28** (2006.01)

CPC (source: EP)

**G04B 17/285** (2013.01)

Cited by

EP4194961A1; CH712756A1; TWI743189B

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

DOCDB simple family (publication)

**EP 2725433 A1 20140430; EP 2725433 B1 20150429; CN 103792827 A 20140514; CN 103792827 B 20180403**

DOCDB simple family (application)

**EP 12190230 A 20121026; CN 201310498684 A 20131022**