

Title (en)  
Tourbillon without the balance weight.

Title (de)  
Tourbillon ohne dem Unruhgewicht

Title (fr)  
Tourbillon sans le poids du balancier

Publication  
**EP 2246752 B1 20120404 (FR)**

Application  
**EP 10161471 A 20100429**

Priority  
CH 6792009 A 20090429

Abstract (en)  
[origin: EP2246752A1] The mechanism (1) has a turning cage formed of lower cage platform (11) and upper cage platform (10) mounted in a pivoting manner in lower and upper cage bearings (22, 23) lodged in a lower plate (24) and a fixed wheel (29). A regulating element in the form of a balance (2) and spiral hairspring (4) oscillates around a balance staff (3) according to pulses from an escapement mobile integrated with the cage. The staff is mounted in a pivoting manner in lower and upper balance bearings (27, 26) i.e. Incabloc(RTM: shock absorber) type shock-absorbing bearings, lodged outside the cage.

IPC 8 full level  
**G04B 17/06** (2006.01)

CPC (source: EP US)  
**G04B 17/285** (2013.01 - EP US)

Cited by  
EP2869139A1; CN106873343A; EP3770694A1; CN112305890A; EP3770695A1; US11586148B2; US11604434B2; WO2015063335A3; EP2874020A1; US9081365B2; TWI743839B

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 2246752 A1 20101103; EP 2246752 B1 20120404**; AT E552534 T1 20120415; CH 700862 A1 20101029; CN 101876809 A 20101103; CN 101876809 B 20130619; HK 1144970 A1 20110318; US 2010278017 A1 20101104; US 8439555 B2 20130514

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**EP 10161471 A 20100429**; AT 10161471 T 20100429; CH 6792009 A 20090429; CN 201010174194 A 20100428; HK 10111318 A 20101206; US 76446210 A 20100421