

Title (en)

Clock movement with low magnetic sensitivity

Title (de)

Uhrwerk mit geringer magnetischer Empfindlichkeit

Title (fr)

Mouvement horloger à faible sensibilité magnétique

Publication

**EP 2607969 B1 20140917 (FR)**

Application

**EP 12193486 A 20121120**

Priority

- EP 11194286 A 20111219
- EP 12193486 A 20121120

Abstract (en)

[origin: EP2607969A1] The timepiece movement (1) has a resonator (3) that is mounted between a bar (2) and a bottom plate (4) and provided with a balance (5). A balance spring (7) is formed from a ferromagnetic material and is provided with a magnetic polarizing device (15) for the balance spring for maintaining a predefined state of polarization in the balance spring. A permanent magnetizing module is provided to form a magnetic field in the plane of the balance spring to totally or almost totally magnetically saturate the balance spring in the absence of an external magnetic field.

IPC 8 full level

**G04B 17/26** (2006.01); **G04B 43/00** (2006.01)

CPC (source: EP RU US)

**G04B 17/26** (2013.01 - EP RU US); **G04B 43/007** (2013.01 - EP RU US); **G04C 5/005** (2013.01 - RU US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2607969 A1 20130626**; **EP 2607969 B1 20140917**; CN 103163770 A 20130619; CN 103163770 B 20151028; HK 1186530 A1 20140314; JP 2013127467 A 20130627; JP 5443583 B2 20140319; RU 2012154935 A 20140627; RU 2604172 C2 20161210; US 2013155819 A1 20130620; US 9004747 B2 20150414

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**EP 12193486 A 20121120**; CN 201210554817 A 20121219; HK 13113954 A 20131216; JP 2012276592 A 20121219; RU 2012154935 A 20121218; US 201213720167 A 20121219