

Title (en)

Anti-shock device for a balance journal and a timepiece movement equipped with this device

Title (de)

Vorrichtung zur Stossdämpfung für einen Drehzapfen einer Unruh, und ein Uhrwerk damit

Title (fr)

Dispositif antichoc pour pivot de balancier et mouvement horloger équipé de ce dispositif

Publication

**EP 1708053 A1 20061004 (FR)**

Application

**EP 05103261 A 20050421**

Priority

- EP 05007046 A 20050331
- EP 05103261 A 20050421

Abstract (en)

The device (12) has a jeweled bow with an upper jewel forming an endstone that has a bulged upper surface. A spring (42) is constituted by a metal leaf forming an arm with a rectilinear section (48) extended parallel to a radial direction of an axis of a journal (14). The arm has a support section (46) extended along a diametrical direction perpendicular to the section (48) to constitute the support end supporting against the surface to axially retain the bow in a housing (28) made on a bridge. The arm has an annular sector (50) working in torsion around an axis parallel to the section (48).

IPC 8 full level

**G04B 31/04** (2006.01)

CPC (source: EP US)

**G04B 31/04** (2013.01 - EP US)

Citation (search report)

- [X] CH 251930 A 19471130 - BENRUS WATCH CO [CH]
- [X] CH 129344 A 19281217 - BENRUS WATCH COMPANY SUCCURSAL [CH]
- [A] CH 272628 A 19501231 - ERISMANN GERARD [CH]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1708053 A1 20061004**; JP 2006284576 A 20061019; SG 126105 A1 20061030; US 2006233052 A1 20061019

DOCDB simple family (application)

**EP 05103261 A 20050421**; JP 2006092967 A 20060330; SG 200601992 A 20060324; US 27780006 A 20060329