

Title (en)

Shock-proof bearing for an horological balance

Title (de)

Dämpfungskörper eines Unruh-Oszillators einer Uhr

Title (fr)

Corps d'amortisseur d'un balancier d'un oscillateur d'horlogerie

Publication

EP 2799937 A1 20141105 (FR)

Application

EP 14161245 A 20140324

Priority

- EP 13166102 A 20130501
- EP 14161245 A 20140324

Abstract (en)

[origin: CN104133362A] A shock-absorber body (11) for an assembled balance (6) of a horological oscillator (8), comprising a guiding portion (11a) for the shock-absorber body (1) for its mounting on a bridge (2) and a fastening element (13) for an outer end of a spiral spring (5) of the oscillator.

Abstract (fr)

Corps d'amortisseur (11) d'un balancier assemblé (6) d'un oscillateur d'horlogerie (8), comprenant une portion (11a) de guidage du corps d'amortisseur (1) pour son montage sur un pont (2) et un élément (13) de fixation d'une extrémité extérieure d'un ressort spiral (5) de l'oscillateur.

IPC 8 full level

G04B 17/06 (2006.01); **G04B 31/02** (2006.01)

CPC (source: EP US)

G04B 17/06 (2013.01 - EP US); **G04B 17/26** (2013.01 - US); **G04B 31/02** (2013.01 - EP US); **Y10T 29/49581** (2015.01 - EP US)

Citation (applicant)

- CH 316832 A 19561031 - BAUMGARTNER FRERES SA [CH]
- CH 257460 A 19481015 - MARTI FRITZ [CH], et al
- FR 1596951 A 19700622
- EP 1798609 A2 20070620 - PATEK PHILIPPE SA [CH]
- EP 2437126 A1 20120404 - ROLEX SA [CH]

Citation (search report)

- [XA] DE 1933589 U 19660224 - MUELLER-SCHLENKER [DE]
- [A] CH 474098 A 19690228 - LANGENDORF WATCH CO [CH]
- [A] US 2194896 A 19400326 - GROMANN FRANCIS C

Cited by

EP4099101A1; EP4148505A1; EP3032354A1; US9811054B2

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2799937 A1 20141105; EP 2799937 B1 20200916; CN 104133362 A 20141105; CN 104133362 B 20210518; JP 2014219385 A 20141120; JP 6483345 B2 20190313; US 2014328150 A1 20141106; US 9632483 B2 20170425

DOCDB simple family (application)

EP 14161245 A 20140324; CN 201410208143 A 20140324; JP 2014061422 A 20140325; US 201414224906 A 20140325