

Title (en)
Shock-absorbing bearing for a timepiece

Title (de)
Stoßdämpfer-Gleitlager für eine Uhr

Title (fr)
Palier amortisseur de chocs pour pièce d'horlogerie

Publication
EP 2015147 B2 20150708 (FR)

Application
EP 08160043 A 20080709

Priority
CH 11222007 A 20070712

Abstract (en)
[origin: EP2015147A2] The bearing (16) has a pivoting unit (30) comprising an elastic arm and a central portion that includes a cylindrical blind hole, where the arm has a spiral structure. A pivot (24) contacts the interior of the blind hole. The pivoting unit and the central portion are formed from a single piece in a pastille made of monocrystalline material. An annular part (31) forming a housing is arranged to be driven out through the hole of a frame of the timepiece, where the annular part receives and fixes ends of the elastic arm.

IPC 8 full level
G04B 31/02 (2006.01)

CPC (source: EP)
G04B 31/02 (2013.01)

Citation (opposition)
Opponent :

- CH 237812 A 19450531 - ERISMANN SCHINZ SA [CH]
- CH 244883 A 19461015 - ERISMANN SCHINZ S A [CH]
- CH 546975 A 19740315
- CH 577202 B5 19760630 - PARECHOC SA
- FR 2279140 A1 19760213 - EPSILON SARL [FR]

Cited by
WO2014146832A1; WO2013087173A1; CN103124935A; EP2607971A1; CN104126152A; CN103988133A; JP2015505961A; US9880522B2; US8926170B2; EP2977834A2; EP3719587A1; CH716041A1; EP2806314A1; CN105247420A; CH709867A1; EP2975471A3; JP2016520197A; JP2017173341A; EP2781972A1; CN105051623A; JP2016505150A; WO2014187858A1; WO2013092924A1; WO2011161139A1; EP2975471A2; US9733621B2; US9684283B2; US9292005B2; JP2015507740A; JP2013529778A; EP2977834B1

Designated contracting state (EPC)
CH DE FR IT LI

DOCDB simple family (publication)
EP 2015147 A2 20090114; EP 2015147 A3 20090902; EP 2015147 B1 20101124; EP 2015147 B2 20150708; CH 704739 B1 20121015; DE 602008003621 D1 20110105

DOCDB simple family (application)
EP 08160043 A 20080709; CH 11222007 A 20070712; DE 602008003621 T 20080709