Title (en)

PIVOTING DEVICE FOR AN ARBOR INSIDE A TIMEPIECE

Title (de)

SCHWENKEINRICHTUNG FÜR EINE WELLE IN EINER UHR

Title (fr)

DISPOSITIF DE PIVOTEMENT D'UN ARBRE DANS UNE PIECE D'HORLOGERIE

Publication

EP 2142965 A2 20100113 (FR)

Application

EP 08736544 A 20080424

Priority

- EP 2008055009 W 20080424
- EP 07106986 A 20070426
- EP 08736544 A 20080424

Abstract (en)

[origin: EP1986059A1] The device has bearings for receiving pivots, where each bearing includes a plastic pivoting structure (25), where the device is made of metal or alloy. Each pivot (12) has a convex rounded portion (13) forming an extension of a cylindrical portion and decreasing in size in a direction of a pivot end. The structure has an opening (16) e.g. circular opening, comprising a trapezoidal/inverted-triangle profile whose inclined inner wall forms a bearing surface. The portion (13) is supported against the wall such that a shaft is axially maintained between the walls of openings of the structures. An independent claim is also included for a method for assembling a shaft pivoting device.

IPC 8 full level

G04B 31/00 (2006.01); **G04B 31/004** (2006.01); **G04B 31/016** (2006.01); **G04B 31/06** (2006.01)

CPC (source: EP US)

G04B 31/004 (2013.01 - EP US); **G04B 31/008** (2013.01 - EP US); **G04B 31/0082** (2013.01 - EP US); **G04B 31/016** (2013.01 - EP US); Y10T 29/49826 (2015.01 - EP US)

Citation (search report)

See references of WO 2008132135A2

Cited by

EP2884348A1; WO2011161139A1; EP4177677A1; EP4242752A1; US11982977B2; WO2015086472A3; EP2605085A1; WO2013087201A1; US10012955B2; US8926170B2; EP3258325B1; EP3584640B1

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DOCDB simple family (publication)

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