

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 B1 20101110 (FR)

Application
EP 08736544 A 20080424

Priority

- EP 2008055009 W 20080424
- EP 07106986 A 20070426
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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
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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)

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

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1986059 A1 20081029; AT E487965 T1 20101115; CN 101669075 A 20100310; CN 101669075 B 20120229; DE 602008003429 D1 20101223; EP 2142965 A2 20100113; EP 2142965 B1 20101110; EP 2142965 B2 20140226; HK 1142693 A1 20101210; JP 2010539440 A 20101216; JP 5524827 B2 20140618; US 2011164478 A1 20110707; US 8317391 B2 20121127; WO 2008132135 A2 20081106; WO 2008132135 A3 20090122

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