

Title (en)

Micromechanical element provided with form-locking opening for axle assembly

Title (de)

Mikromechanisches Bauteil mit formschlüssiger Öffnung zum Assemblieren einer Welle

Title (fr)

Pièce de micro-mécanique avec ouverture de forme pour assemblage sur un axe

Publication

EP 1826634 A1 20070829 (FR)

Application

EP 06004074 A 20060228

Priority

EP 06004074 A 20060228

Abstract (en)

The part has an opening (2) alternatively forming zones (8) for rigidification and positioning elastic deformation zones (10). The zones (10) are formed by a tab (12) of the part. The tab is formed of recesses (13, 15) opening into the opening and delimiting the tab whose end (14) extends above a theoretical contour of a cylindrical shaft (5) and provides a locking function when the shaft is placed. The part is made of a frangible material that is chosen among glass, silicon and quartz.

Abstract (fr)

La pièce est réalisée à partir d'une plaque (1) en un matériau cassant, tel que le verre, le quartz ou le silicium et comporte au moins une ouverture (2,4,6) pour le chassage d'un axe (3,5). Cette ouverture comporte alternativement des zones (8) de rigidification et de positionnement et des zones (10) à déformation élastique. Application à la fixation d'un axe sur des mobiles d'un mouvement horloger.

IPC 8 full level

G04B 13/02 (2006.01); **G04B 15/14** (2006.01)

CPC (source: EP KR US)

G04B 13/022 (2013.01 - EP KR US); **G04B 15/14** (2013.01 - EP KR US); **Y10T 29/49465** (2015.01 - EP US)

Citation (applicant)

- FR 1447142 A 19660729 - LIP SA
- US 3906714 A 19750923 - SCHNEIDER JEAN-CLAUDE

Citation (search report)

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- [XY] US 3672150 A 19720627 - YASUDA TETUYA, et al
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- [Y] EP 1445670 A1 20040811 - ETA SA MFT HORLOGERE SUISSE [CH]
- [A] FR 2500942 A1 19820903 - UHRENTECHNIK SCHWARZWALD GMBH [DE]
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

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