

Title (en)

Device and method for fixing a pallet on an escapement anchor in a watch movement

Title (de)

Vorrichtung und Verfahren zur Fixierung einer Palette auf einem Hemmungsanker in einem Uhrwerk

Title (fr)

Dispositif et procédé de fixation d'une levée sur une ancre d'un échappement d'un mouvement d'horlogerie

Publication

EP 1580625 A1 20050928 (FR)

Application

EP 04006893 A 20040323

Priority

EP 04006893 A 20040323

Abstract (en)

The device has a pallet assembly (4) with a portion (4a) receiving a slot (18), where the portion is made of a shape memory alloy which undergoes reversible transformation from an austenitic crystallographic phase to a martensitic crystallographic phase. The portion does not hold a pallet (14) in the martensitic crystallographic phase so that the pallet is displaced in housing. The portion holds the pallet in the austenitic crystallographic phase, when the portion is at an ambient temperature. An independent claim is also included for a process for fixing a pallet on a pallet assembly.

Abstract (fr)

L'invention concerne un dispositif de fixation d'une levée (14) sur une ancre d'échappement (4) comprenant au moins un logement (18) prévu pour recevoir ladite levée (14), caractérisé en ce la portion de l'ancre comprenant ledit logement est réalisée en un alliage à mémoire de forme apte à subir une transformation réversible d'une phase cristallographique austénitique à une phase cristallographique martensitique. <IMAGE>

IPC 1-7

G04B 15/08; **G04B 15/14**

IPC 8 full level

G04B 15/08 (2006.01); **G04B 15/14** (2006.01)

CPC (source: EP US)

G04B 15/08 (2013.01 - EP US); **G04B 15/14** (2013.01 - EP US)

Citation (search report)

- [Y] US 581535 A 18970427
- [Y] US 4293942 A 19811006 - BAUMGARTNER HANS
- [A] CH 1805867 D
- [A] PATENT ABSTRACTS OF JAPAN vol. 0176, no. 64 (M - 1523) 8 December 1993 (1993-12-08)

Cited by

EP2881804A3; CN105629698A; EP2881803A1; CN104698803A; US9195217B2; US9367038B1

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