

Title (en)

Shock-proof bearing for timepiece

Title (de)

Stoßdämpfende Lagerung für Uhren

Title (fr)

Palier amortisseur de chocs pour pièce d'horlogerie

Publication

**EP 1705537 A1 20060927 (FR)**

Application

**EP 05405263 A 20050323**

Priority

EP 05405263 A 20050323

Abstract (en)

The bearing has a shock-absorbing spring (5) connected to a bearing body (1) by four linking arms (5a 1, 5a 2, 5a 3, 5a 4). The arms form two suspension units, each having two of the arms connected by an arc of circle (5c 1, 5c 2) centered on a swivel axis (X) and having a radius greater than that of an endstone (4). The suspension units are connected by two diametric arms (5e) located on either side of a central support unit (5d). The outer ends of the arms (5e) are connected to the arms (5a 2, 5a 4) belonging to the respective suspension units. The spring is flat in rest position.

IPC 8 full level

**G04B 31/04** (2006.01)

CPC (source: EP US)

**G04B 31/04** (2013.01 - EP US)

Citation (search report)

- [DA] US 3306028 A 19670228 - CHOKEN SUZUKI
- [A] CH 294058 A 19531031 - TECH DE L IND HORLOGERE CENTRE [FR], et al
- [A] CH 325895 A 19571130 - SEITZ & CO [CH]

Cited by

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Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1705537 A1 20060927; EP 1705537 B1 20080514**; CN 100578394 C 20100106; CN 1837993 A 20060927; DE 05405263 T1 20070503; DE 602005006731 D1 20080626; HK 1092880 A1 20070216; JP 2006267106 A 20061005; JP 4598701 B2 20101215; US 2006215499 A1 20060928; US 7234859 B2 20070626

DOCDB simple family (application)

**EP 05405263 A 20050323**; CN 200610071784 A 20060322; DE 05405263 T 20050323; DE 602005006731 T 20050323; HK 06112526 A 20061114; JP 2006080569 A 20060323; US 38742306 A 20060323