

Title (en)

BEARING, IN PARTICULAR SHOCK ABSORBER DEVICE, AND ROTATING PART OF A CLOCK MOVEMENT

Title (de)

LAGER, INSBESONDERE ZUR STOSSDÄMPFUNG, UND DREHTEIL EINES UHRWERKS

Title (fr)

PALIER, NOTAMMENT AMORTISSEUR DE CHOC, ET MOBILE TOURNANT D'UN MOUVEMENT HORLOGER

Publication

**EP 3671368 B1 20221123 (FR)**

Application

**EP 18214830 A 20181220**

Priority

EP 18214830 A 20181220

Abstract (en)

[origin: US2020201259A1] A bearing for an arbor or staff of a rotary wheel set of a timepiece movement, the bearing including a bearing block provided with a housing and an endstone arranged inside the housing, the endstone having a main body provided with a cavity configured to receive a pivot of the arbor of the rotary wheel set, the pivot having the shape of a first cone having a first solid angle, the apex of the first cone being rounded with a predefined first radius of curvature in a range from 0.2  $\mu\text{m}$  to 50  $\mu\text{m}$ , the cavity having a second cone shape with a second solid angle, greater than the first solid angle, so that the pivot can rotate in the cavity, the apex of the second cone being rounded and having a predefined second radius of curvature. The second radius of curvature is smaller than the first radius of curvature.

IPC 8 full level

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CPC (source: CN EP US)

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Cited by

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**EP 18214830 A 20181220**; CN 201911329064 A 20191220; JP 2019224233 A 20191212; JP 2022149179 A 20220920; US 201916713079 A 20191213