

Title (en)

Watch case provided with a cap made of a hard material.

Title (de)

Uhrengehäuse mit einer Schutzkappe aus hartem Material.

Title (fr)

Boîte de montre munie d'une coiffe en matériau dur.

Publication

EP 0383179 A1 19900822 (FR)

Application

EP 90102396 A 19900207

Priority

CH 51589 A 19890214

Abstract (en)

[origin: JPH02240592A] PURPOSE: To improve the reliability of the side of the timepiece by providing a radial gap between cylindrical surfaces, bringing a frustum of circular cone provided below a cap into contact with the frustum-of-circular-cone surface of an intermediate part, and fitting an annular fixed element made of a deformable material between the cylindrical surfaces. CONSTITUTION: An intermediate component 1 has a lower part 6 and an upper part 7 so as to contain a movement 5, and the part 6 is united with the movement 4. The top surface of the part 7 is flat and an outside surface 9 is cylindrical; and an inside surface 10 is slightly in the shape of a frustum of circular cone and the bottom part of the inside surface 10 is limited by a shoulder part 11. A cap 2 has a thicker annular part 18 and a thinner radial-side part 19. The inside of the part 19 is limited by the cylindrical surface, the lower side is limited by an inside frustum-of-circular-cone surface 21 having the same slope with the top surface 14, and the upper side is limited by a frustum-of-circular-cone surface 22 formed by cutting the level of the peak part 23 of the part 19. Parts 1 and 2 are fixed with a ring 31 made of a deformable material, e.g., elastomer. This ring 31 is put in a radial gap formed between shaft surfaces 20 and 9 and positioned along the height by coming into contact with the surfaces 13 and 21.

Abstract (fr)

La coiffe 2 est en métal dur fritté. La surface cylindrique 20 et la surface tronconique 21 sont terminées par rectifiage. Elles sont ajustées, la première avec un jeu radial par rapport à la surface cylindrique externe 9 de la carrure intérieure 1, et la seconde avec la même inclinaison que la surface tronconique 14. La coiffe 2 et la carrure intérieure 1 sont fixées l'une à l'autre par une bague en matière déformable intercalée entre les surfaces 9 et 20. La surface rectifiée et polie 22 de la coiffe a sensiblement la même inclinaison que la surface 21 de sorte que le profil de la partie massive 18 a la forme d'un parallélogramme.

IPC 1-7

G04B 37/08; **G04B 37/22**

IPC 8 full level

G04B 37/18 (2006.01); **G04B 37/08** (2006.01); **G04B 37/22** (2006.01)

CPC (source: EP KR US)

G04B 37/00 (2013.01 - KR); **G04B 37/086** (2013.01 - EP US); **G04B 37/22** (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

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