

Title (en)

Clock mechanism with gear backlash reduction

Title (de)

Uhrmechanismus mit Reduzierung der Verzahnungsspiele

Title (fr)

Mécanisme horloger à réduction des jeux d'engrenage

Publication

EP 2672334 A1 20131211 (FR)

Application

EP 12004340 A 20120607

Priority

EP 12004340 A 20120607

Abstract (en)

The mechanism has axles (5, 6) mounted in a frame, and mobile units formed of a driven wheel (2) and a driving wheel (3) mounted around the axles, respectively, where the mobile units form permanent gears. An adjustment unit formed of a rocker (8) and an eccentric (20) adjusts a distance between the axles to decrease clearance of the gears. The rocker supports one of the axles. The former axle carries seconds hand (7). The former axle is supported on a side of one of the mobile units by a fixed bearing defined by the frame and on another side of the former mobile unit by the rocker.

Abstract (fr)

Un mécanisme horloger comprenant un bâti (1), des premier et deuxième axes (5, 6) montés dans le bâti (1) et des premier et deuxième mobiles (2, 3) montés autour des premier et deuxième axes (5, 6) respectivement et formant ensemble un engrenage permanent, est caractérisé en ce qu'il comprend un dispositif (8, 20) permettant de régler la distance entre lesdits axes (5, 6) pour diminuer le jeu de l'engrenage.

IPC 8 full level

G04B 35/00 (2006.01)

CPC (source: EP)

G04B 35/00 (2013.01)

Citation (applicant)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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