

Title (en)

Mechanical timepiece provided with means for adjusting the backlash of a wheel

Title (de)

Mechanische Uhr mit Vorrichtung zur Einstellung des Spieles eines Drehteiles

Title (fr)

Pièce d'horlogerie mécanique comprenant des moyens de réglage de l'ébat d'un mobile tournant

Publication

EP 1804143 B1 20090603 (FR)

Application

EP 05028554 A 20051228

Priority

EP 05028554 A 20051228

Abstract (en)

[origin: EP1804143A1] The time piece has a balance bridge (4) with a base (18) associated to a balance bridge deformation unit formed of an adjusting screw (34). The screw is adjusted to vary the distance between the base and a main plate (14) by the deformation of a plate (10) at level of zones (22, 24) of less mechanical resistance, which are provided on either side of a central part (20) of the plate (10) to localize deformations generated by the screw. The central part where the bearing is arranged moves relative to the main plate to adjust the shake in the balance when the plate (10) is deformed.

IPC 8 full level

G04B 35/00 (2006.01); **G04B 31/00** (2006.01)

CPC (source: EP US)

G04B 29/022 (2013.01 - EP US); **G04B 31/00** (2013.01 - EP US); **G04B 35/00** (2013.01 - EP US)

Cited by

KR20220074716A; EP2565730A1; EP2735921A3; FR3133457A1; EP3825783A1; CN112835284A; US11768466B2; WO2010063129A1; WO2023170161A1; US8641268B2; EP2735921A2; US8961002B2; EP3226081B1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1804143 A1 20070704; **EP 1804143 B1 20090603**; AT E433139 T1 20090615; CN 1991636 A 20070704; CN 1991636 B 20120229; DE 602005014798 D1 20090716; HK 1104939 A1 20080125; JP 2007178432 A 20070712; JP 5020626 B2 20120905; US 2007147180 A1 20070628

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EP 05028554 A 20051228; AT 05028554 T 20051228; CN 200610171497 A 20061228; DE 602005014798 T 20051228; HK 07110027 A 20070914; JP 2006347342 A 20061225; US 61700906 A 20061228