

Title (en)

MECHANICAL TIMEPIECE COMPRISING A MOVEMENT OF WHICH THE OPERATION IS IMPROVED BY A CORRECTION DEVICE

Title (de)

MECHANISCHE UHR, DIE EIN UHRWERK MIT VERBESSERTER GANGGENAUIGKEIT DURCH EINE KORREKTURVORRICHTUNG UMFASST

Title (fr)

PIÈCE D'HORLOGERIE MÉCANIQUE COMPRENANT UN MOUVEMENT DONT LA MARCHE EST AMÉLIORÉE PAR UN DISPOSITIF DE CORRECTION

Publication

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Application

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Abstract (en)

[origin: WO201817774A1] The invention relates to a mechanical timepiece provided with a movement comprising a mechanism indicating at least one time datum, a mechanical resonator (6) forming a slave oscillator that clocks the operation of the indicator mechanism, and a mechanical correction device (52) for preventing a potential time interval error in the operation of the indicator mechanism. The mechanical correction device is formed by a mechanical master oscillator (54) and a mechanical device (56) for braking the mechanical resonator, said braking device being arranged so as to be able to periodically apply mechanical braking pulses to the mechanical resonator at a braking frequency determined by the mechanical master oscillator. Then, the mechanical system, formed by the mechanical resonator and the braking device, is designed so as to allow the braking device to be able to begin the braking pulses preferably at any position of said mechanical resonator. Preferably, the duration of the braking pulses is shorter than a quarter of a nominal period.

IPC 8 full level

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