

Title (en)

TIME-PIECE COMPRISING A MECHANICAL OSCILLATOR

Title (de)

ZEITMESSER, DER EINEN MECHANISCHEN OSZILLATOR UMFASST

Title (fr)

GARDE-TEMPS COMPORTANT UN OSCILLATEUR MECANIQUE

Publication

EP 3547041 B1 20240501 (FR)

Application

EP 19165050 A 20190325

Priority

CH 4072018 A 20180327

Abstract (en)

[origin: US2019324399A1] A sprung balance type mechanical timekeeper, includes a spiral spring (10), a balance (20) and an escapement mechanism (30) connected by a point of attachment (12) to the spiral spring and arranged to sustain an oscillation of the balance. The escapement mechanism (30) is connected to the point of attachment (12) of the spiral spring by a chassis (40) pivoted about the axis (A) of the balance. An outer end (12) of the spiral spring (10) is attached to this transverse part (40) at a location located on one side of the balance axis (A). The chassis (40) includes two branches extending on either side of the axis of the balance (20) and forming a rotary plate whose axis of rotation is coincident with the axis of oscillation of the balance (20). The escapement mechanism (30) is located on the other side of the balance axis (A) and acts on the pivoted chassis (40) so as to free its rotation and thus make the attached end (12) of the spiral spring rotate.

IPC 8 full level

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CPC (source: CH EP US)

G04B 15/06 (2013.01 - CH EP); **G04B 15/08** (2013.01 - US); **G04B 17/063** (2013.01 - US); **G04B 17/26** (2013.01 - CH EP); **G04B 17/285** (2013.01 - CH EP)

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