Title (en)

Timepiece pallet with optimised horns

Title (de)

Uhranker mit optimierten Hörnern

Title (fr)

Ancre d'horlogerie à cornes optimisées

Publication

EP 2871535 B1 20170628 (FR)

Application

EP 13191770 A 20131106

Priority

EP 13191770 A 20131106

Abstract (en)

[origin: CN204270013U] The utility model relates to an escapement rod (1) applied to an escapement mechanism (10) containing a balance wheel (11). The balance wheel (11) is provided with a pin (12) with a given pin radius (RO) and oscillates by a given turning radius (RG). The escapement rod (1) comprises two angle portions (2A and 2B) cooperating with the pin (12); the two angle portions (2A and 2B) are symmetric to each other relatively to a center surface (P) passing through a pivoting axis (D) of the escapement rod and contain concave inner contours (20) with first curvature radiuses (RC1), wherein the first curvature radiuses (RC1) are larger than or equal to the sum of the turning radius (RG) and the pin radius (RO); and the concave inner contours (20) are adjacent to convex outer contours (25) with second curvature radiuses (RC2), wherein the second curvature radiuses (RC2) are less than or equal to the difference between the turning radius (RG) and the pin radius (RO). In addition, the utility model also relates to a balance wheel, an escapement mechanism containing the balance wheel, a mechanical clock movement, and a clock.

IPC 8 full level

G04B 15/08 (2006.01); **G04B 15/06** (2006.01); **G04B 15/14** (2006.01)

CPC (source: EP US)

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