

Title (en)
ESCAPEMENT MECHANISM FOR TIMEPIECE

Title (de)
HEMMUNG MECHANISMUS FÜR UHREN

Title (fr)
MÉCANISME D'ÉCHAPPEMENT POUR PIÈCE D'HORLOGERIE

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Abstract (en)
[origin: WO2019219679A1] The invention relates to a direct escapement mechanism (1) including an escape wheel (2) provided with a series of peripheral teeth (3), and pallets (4), including an entry pallet (10) and an exit pallet (11) each including a locking plane (10p, 11p) and also including a fork (43). It likewise includes a pin (6) capable of being rigidly connected to a regulating member (5) so as to engage, with each alternation of said regulating member (5), with the fork (43) of the pallets in order to at least partially separate said pallets from the escape wheel (2), as well as at least one impulse pallet (9) capable of being rigidly connected to said regulating member (5) so as to engage with a tooth (3) of the escape wheel in order to transmit a direct impulse to said regulating member (5). Characteristically, at least the teeth (3) of the escape wheel or one of the entry or exit pallets (11) includes, forming an extension with the locking plane (10p, 11p) thereof, an inclined plane (3i, 10i, 11i) arranged to provide an indirect impulse to said regulating member (5) during a movement of said pallet in the trajectory C of the escape wheel (3) by rotating the pallets (3) on the axis (X3) thereof. The invention likewise relates to a timepiece provided with such an escapement mechanism.

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