

Title (en)
ESCAPEMENT MECHANISM

Title (de)
HEMMUNGSMECHANISMUS

Title (fr)
MECANISME D'ECHAPPEMENT

Publication
EP 3510449 A1 20190717 (FR)

Application
EP 17761283 A 20170906

Priority
• EP 16187711 A 20160907
• EP 2017072392 W 20170906

Abstract (en)
[origin: WO2018046563A1] The invention relates to a free coup perdu escapement mechanism for a timepiece, comprising: - a wheel train, intended to be driven by a motor element and comprising a wheel train mobile (1) and an escapement wheel (2), rotating together about a respective axis of rotation, - an oscillator capable of receiving a pulse from the escapement wheel (2) in order to maintain the oscillations of same. This mechanism further comprises: - a disengagement mobile (7) designed to interact in rotation with the escapement wheel and to move, during a disengagement phase, under an oscillator pulse, between an engaged position in which the advance of the wheel train is blocked and a disengaged position in which the advance of the wheel train is free, and - a unidirectional drive device of the disengagement mobile (7) designed to transmit said oscillator pulse to the disengagement mobile (7) in order to cause it to pass from the engaged position to the disengaged position, in such a way that a portion of the energy supplied by an oscillator pulse during disengagement of the disengagement mobile (7), contributes to the acceleration of the wheel train.

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Citation (search report)
See references of WO 2018046563A1

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