

Title (en)
MECHANICAL TIMEPIECE MOVEMENT PROVIDED WITH AN ESCAPEMENT INCLUDING AN ELASTICALLY DEFORMABLE ANCHOR

Title (de)
MECHANISCHES UHRWERK, DASS MIT EINER UHRHEMMUNG MIT EINEM ELASTISCH DEFORMIERBAREN ANKER AUSGESTATTET IST

Title (fr)
MOUVEMENT MÉCANIQUE HORLOGER MUNI D'UN ÉCHAPPEMENT COMPRENANT UNE ANCRE DÉFORMABLE ÉLASTIQUEMENT

Publication
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Application
EP 20164019 A 20200318

Priority
EP 20164019 A 20200318

Abstract (en)
[origin: US2021294269A1] The horological movement includes a mechanical resonator and an escapement including an escapement wheel, which has a plurality of teeth, and an anchor formed by a stick and two arms having respectively two mechanical pallets likely to come into contact, when the anchor is subject to an alternative movement, with any of the teeth according to the angular position of the escapement wheel. To avoid damage to the escapement during rocking of the anchor while the escapement wheel is positioned in an unfavourable angular position, the anchor is arranged, during the rocking of this anchor, to be able to bend being subjected to an elastic deformation. The anchor has an elastic capacity between each of the two mechanical pallets and a fork of the anchor, enabling it to absorb elastically, during the elastic deformation, a maximum mechanical energy that the mechanical resonator can have during the normal functioning of the horological movement.

IPC 8 full level
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