

Title (en)
SAFETY REGULATOR FOR TIMEPIECE ESCAPEMENT

Title (de)
SICHERHEITSREGULATOR FÜR UHRHEMMUNG

Title (fr)
REGULATION DE SECURITE POUR ECHAPPEMENT D'HORLOGERIE

Publication
EP 3182224 B1 20190522 (FR)

Application
EP 15201020 A 20151218

Priority
EP 15201020 A 20151218

Abstract (en)
[origin: JP2017111141A] PROBLEM TO BE SOLVED: To provide an adjustment mechanism for scattering surplus energy for achievement of a function of a timing piece mechanism having a functional wheel set.SOLUTION: There is provided a mechanism 100 for adjusting energy for achieving a function of a timing piece mechanism comprising a functional movable component 300, the mechanism controls scattering of the energy by an eddy current when the movable component 300 operates in excessive operation. The mechanism 100 comprises: a permeable or magnetized rotor 10 which is connected to the movable component 300 in a kinetic manner; and a permeable or a magnetized stator which contacts the rotor 10 in an annular area where the eddy current is generated. The rotor 10 and the stator are disposed on outside each other. The rotor 10 and/or the stator comprise a protrusion area which has an alternation configuration, on which the rotor and/or stator can move so as to overlap each other for performing a correlation for generating the eddy current, and a void area on which the rotor and/or stator cannot move so as to overlap each other.SELECTED DRAWING: Figure 1

IPC 8 full level
G04C 5/00 (2006.01); **G04B 17/06** (2006.01); **G04B 17/30** (2006.01); **G04B 21/06** (2006.01)

CPC (source: CN EP US)
G04B 15/10 (2013.01 - US); **G04B 15/12** (2013.01 - CN); **G04B 17/06** (2013.01 - EP US); **G04B 17/30** (2013.01 - EP US); **G04B 21/06** (2013.01 - EP US); **G04C 5/005** (2013.01 - EP US)

Cited by
US2021294269A1; US11927917B2; US2021356911A1; US11934150B2

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 15201020 A 20151218; CN 201611151889 A 20161214; JP 2016242073 A 20161214; US 201615373003 A 20161208