

Title (en)

ESCAPEMENT WITH ESCAPE WHEEL WITH FIELD RRAMPES AND A NON-RETURN DEVICE

Title (de)

HEMMUNG MIT HEMMUNGSRAD MIT FELDRAMPEN UND VORRICHTUNG ZUR RÜCKLAUFSICHERUNG

Title (fr)

ECHAPPEMENT AVEC ROUE D'ECHAPPEMENT AVEC RAMPES DE CHAMP ET DISPOSITIF ANTI-RETOUR

Publication

EP 3128379 B1 20191002 (FR)

Application

EP 15179709 A 20150804

Priority

EP 15179709 A 20150804

Abstract (en)

[origin: JP2017032564A] PROBLEM TO BE SOLVED: To stop bounces of a magnetic or electrostatic escapement device by adding a non-return device.SOLUTION: In a timepiece escapement mechanism 200, a stopper 2 forms a part of the escapement mechanism 200; an escape wheel 1 includes a succession of tracks carrying magnetic or electrostatic field potential ramps 6; the magnetic or electrostatic field potential ramps 6 are arranged to cooperate with a resonator 100 or individually with the stopper 2; the escapement mechanism 200 comprises a non-return device 5 arranged to oppose the recoil of the escape wheel 1; the stopper 2 cooperates, on the one hand, with a plate forming a part of the resonator mechanism and, on the other hand, with these magnetic or electrostatic field potential ramps 6 by at least one pole shoe 31, 32; the pole shoe 31, 32 forms a part of the stopper 2 and is arranged to move in the field corresponding to the magnetic or electrostatic field potential ramps 6.SELECTED DRAWING: Figure 7

IPC 8 full level

G04C 5/00 (2006.01); **G04B 11/02** (2006.01)

CPC (source: CN EP US)

G04B 11/026 (2013.01 - EP US); **G04B 15/14** (2013.01 - CN); **G04C 3/04** (2013.01 - US); **G04C 3/06** (2013.01 - US); **G04C 3/066** (2013.01 - US); **G04C 3/067** (2013.01 - US); **G04C 5/00** (2013.01 - US); **G04C 5/005** (2013.01 - EP US)

Cited by

EP3757682A1; EP3767397A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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