Title (en)

PROTECTION OF A RESONATOR MECHANISM WITH AXIAL IMPACT BLADES

Title (de)

SCHUTZ EINES PLATTENRESONATOR-MECHANISMUS GEGEN AXIALE STOSSEINWIRKUNGEN

Title (fr)

PROTECTION D'UN MECANISME RESONATEUR A LAMES CONTRE LES CHOCS AXIAUX

Publication

EP 3324246 B1 20191106 (FR)

Application

EP 16199006 A 20161116

Priority

EP 16199006 A 20161116

Abstract (en)

[origin: US2018136607A1] A timepiece resonator mechanism includes a structure and an inertial element oscillating around an axis and subjected to restoring forces exerted by a plurality of elastic blades, each fixed directly or indirectly to the structure at a first end and fixed directly or indirectly to an inertial element at a second end. The elastic blade extends in a perpendicular plane to the pivot axis and is deformable substantially in this plane, where this resonator mechanism includes an axial stop including at least a lower axial stop and/or an upper axial stop, and the axial stop is arranged for the protection of the blade resonator mechanism against axial shocks in the direction of the axis.

IPC 8 full level

G04B 17/04 (2006.01)

CPC (source: CH CN EP US)

G04B 17/045 (2013.01 - CH EP US); **G04B 17/10** (2013.01 - CN); **G04B 17/32** (2013.01 - US); **G04B 31/02** (2013.01 - EP US); **G04B 43/002** (2013.01 - CH US)

Cited by

EP3839651A1; EP3719587A1; CH716041A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3324246 A1 20180523; **EP 3324246 B1 20191106**; CH 713137 A2 20180531; CN 108073066 A 20180525; CN 108073066 B 20191115; JP 2018081087 A 20180524; JP 6434597 B2 20181205; US 10394190 B2 20190827; US 2018136607 A1 20180517

DOCDB simple family (application)

EP 16199006 A 20161116; CH 15112016 A 20161116; CN 201711131959 A 20171115; JP 2017203230 A 20171020; US 201715730913 A 20171012