

Title (en)

MECHANICAL BRAKING DEVICE FOR A CLOCK MOBILE

Title (de)

MECHANISCHE BREMSVORRICHTUNG FÜR TRIEBFEDER EINER UHR

Title (fr)

DISPOSITIF DE FREINAGE MECANIQUE POUR MOBILE HORLOGER

Publication

EP 3719583 B1 20211110 (FR)

Application

EP 19166951 A 20190403

Priority

EP 19166951 A 20190403

Abstract (en)

[origin: US2020319595A1] A braking device (100), separate and remote from its guide members, having resilient strips (3; 31; 32) borne by a braking mobile component (10) trapped between a structure (1) and a bolt (6) and movable perpendicularly to the axis of a horological mobile component arbor (30), on which the strips bear, and either all of the bearing forces on the arbor (30) of the strips (3) are exerted within a single angular sector having a centre angle (a) of less than 180°, or, opposite a first straight or convex strip (31) tangentially braking this arbor (30), a second strip (32) allows for relative mobility between the braking mobile component (10) and this arbor (30) in a direction of mobility (DM), the latter being: either parallel to the first resilient strip (31), or wavy and deformable perpendicularly to the direction of mobility (DM).

IPC 8 full level

G04B 13/02 (2006.01)

CPC (source: CN EP US)

G04B 13/02 (2013.01 - CN); **G04B 13/021** (2013.01 - CN EP US); **G04B 13/022** (2013.01 - CN); **G04B 13/023** (2013.01 - CN); **G04B 35/00** (2013.01 - US)

Cited by

EP4160322A1; KR20230046201A

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 3719583 A1 20201007; **EP 3719583 B1 20211110**; CN 111796502 A 20201020; CN 111796502 B 20210910; JP 2020169987 A 20201015; JP 6944562 B2 20211006; US 11703803 B2 20230718; US 2020319595 A1 20201008

DOCDB simple family (application)

EP 19166951 A 20190403; CN 202010259133 A 20200403; JP 2020059489 A 20200330; US 202016815767 A 20200311