

Title (en)

STANDALONE DEVICE FOR ADJUSTING THE ACTIVE LENGTH OF A HAIRSPRING

Title (de)

VORRICHTUNG ZUR SELBSTREGULIERUNG DER AKTIVEN LÄNGE EINER SPIRALE

Title (fr)

DISPOSITIF DE RÉGLAGE AUTONOME DE LA LONGUEUR ACTIVE D'UN SPIRAL

Publication

EP 3502788 B1 20210317 (FR)

Application

EP 17208988 A 20171220

Priority

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Abstract (en)

[origin: US2019187618A1] A device for autonomous adjustment of the active length of a balance spring includes a regulator mounted on a plate with a cock, a balance spring stud holder being pivotally mounted on the cock, the regulator being pivotally mounted on the stud holder and including a pivot arm and device for changing the active length of the balance spring by pivoting the regulator. The device includes an elastic stress device to exert an elastic, return-to-position action on the regulator, and an inertia block, mounted for free rotation on the cock and connected to the pivot arm of the regulator, arranged to move the pivot arm of the regulator between a rest position and a correction position of the device, and simultaneously act on the device for changing the active length of the balance spring.

IPC 8 full level

G04B 17/26 (2006.01); **G04B 18/02** (2006.01); **G04B 17/28** (2006.01)

CPC (source: CH CN EP US)

G04B 17/063 (2013.01 - US); **G04B 17/26** (2013.01 - US); **G04B 17/28** (2013.01 - EP US); **G04B 18/02** (2013.01 - US);
G04B 18/023 (2013.01 - CH EP US); **G04B 18/028** (2013.01 - EP); **G04B 18/04** (2013.01 - US); **G04B 18/06** (2013.01 - CN)

Cited by

EP4428624A1; EP4428628A1; EP4428625A1; EP4428627A1; EP4428623A1; EP4428626A1

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 3502788 A1 20190626; **EP 3502788 B1 20210317**; CH 714480 A2 20190628; CN 109991826 A 20190709; CN 109991826 B 20210305;
JP 2019113535 A 20190711; JP 6688371 B2 20200428; US 11397410 B2 20220726; US 2019187618 A1 20190620

DOCDB simple family (application)

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