Title (en)

Mechanism for attaching a balance-spring stud to a balance bridge and regulating device with balance-hairspring including such a mechanism

Title (de)

Befestigungsmechanismus eines Spiralklötzchen an eine Unruhbrücke, und Reguliervorrichtung mit Unruh-Spiralfeder, die einen solchen Mechanismus umfasst

Title (fr)

Mécanisme de fixation d'un piton à un pont de balancier et dispositif régulateur à balancier-spiral comprenant un tel mécanisme

Publication

EP 2887154 B1 20160720 (FR)

Application

EP 13199179 A 20131220

Priority

EP 13199179 A 20131220

Abstract (en)

[origin: CN104730899A] The regulating device includes an inertial balance (7) including a balance staff arranged to be pivotally mounted in the timepiece, a balance bridge (9) and a bearing (11) carried by the balance bridge and arranged to hold one end of the balance staff, a balance spring (1) including an inner end integral with the balance and an outer end (1a) integral with a stud (3; 103), and a mechanism for securing the stud (3; 103) including a housing (17) for receiving the stud and which is formed in a stud holder (5) pivoted on the balance bridge (9), the securing mechanism further including an elastic arm (15; 115) arranged to pivot concentrically to the balance staff between a first position where the elastic arm immobilises the stud (3; 103) and a second position where the elastic arm is disengaged from the stud to allow the stud to be inserted into or removed from the housing.

IPC 8 full level

G04B 17/32 (2006.01); **G04B 18/06** (2006.01)

CPC (source: EP RU US)

G04B 15/14 (2013.01 - US); **G04B 17/06** (2013.01 - RU); **G04B 17/325** (2013.01 - EP US); **G04B 18/06** (2013.01 - EP US); G04B 17/32 (2013.01 - US)

Cited by

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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 2887154 A1 20150624; **EP 2887154 B1 20160720**; CN 104730899 A 20150624; CN 104730899 B 20170412; HK 1207911 A1 20160212; JP 2015121534 A 20150702; JP 5970051 B2 20160817; RU 2014151715 A 20160710; RU 2014151715 A3 20180724; RU 2665774 C2 20180904; US 2015177689 A1 20150625; US 9122246 B2 20150901

DOCDB simple family (application)

EP 13199179 A 20131220; CN 201410800077 A 20141219; HK 15108434 A 20150831; JP 2014245570 A 20141204; RU 2014151715 A 20141219; US 201414540160 A 20141113