

Title (en)

Safety mechanism against accidental operation of the controls of a minute-repeater

Title (de)

Sicherheitsmechanismus gegen fehlerhaften Bedienungen der Steuerungen eines Minuten-repetierwerks

Title (fr)

Mécanisme de sécurité contre des manipulations intempestives de commande d'une répétition minutes

Publication

EP 2498148 B1 20171115 (FR)

Application

EP 11157276 A 20110308

Priority

EP 11157276 A 20110308

Abstract (en)

[origin: EP2498148A1] The mechanism (900) has a safety lever (536) whose pivoting is controlled by another lever (535) when a minute repeater is set in motion. The former lever includes a catch (536A) cooperating with a finger (537A) of a pivoting bolt (537) returned by a return spring, to prevent the minute repeater from being released again when the repeater is set in motion. The bolt is released at the end of time display striking cycle performed by the minute repeater. A spring is integrally mounted with the latter lever, and includes a slanted end, which abuts on a pivoting arm. An independent claim is also included for a timepiece.

IPC 8 full level

G04B 21/12 (2006.01)

CPC (source: EP US)

G04B 21/12 (2013.01 - EP US); **G04B 23/12** (2013.01 - EP US)

Cited by

EP3096189A1; KR20190074214A; CN106292246A; EP3070543A1; KR20190074217A; US11173449B2; US9557715B2; US9981241B2; US10610847B2; US11260362B2; US11839862B2; US10095185B2; JP2016218052A; US9950295B2; EP3489765A1; US10537850B2; US10974192B2; US11058992B2; US11701614B2; US11738306B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2498148 A1 20120912; EP 2498148 B1 20171115; CH 704591 A2 20120914; CH 704591 B1 20160215; CN 102681425 A 20120919; CN 102681425 B 20140910; HK 1176413 A1 20130726; JP 2012189594 A 20121004; JP 5616383 B2 20141029; US 2012230165 A1 20120913; US 8588035 B2 20131119

DOCDB simple family (application)

EP 11157276 A 20110308; CH 3932011 A 20110308; CN 201210059914 A 20120308; HK 13103338 A 20130318; JP 2012051289 A 20120308; US 201213413299 A 20120306