

Title (en)  
Anti-tripping clock hairspring

Title (de)  
Antischwingungsspirale für Uhr

Title (fr)  
Spiral d'horlogerie anti-galop

Publication  
**EP 2690506 B1 20150114 (FR)**

Application  
**EP 12177895 A 20120725**

Priority  
EP 12177895 A 20120725

Abstract (en)  
[origin: EP2690506A1] The balance spring (2) has a strip wound into coils (3), where an inner coil (4) is fixed to a collet (6) coaxial to the balance spring relative to a pivot axis, and an outer coil (5) is fixed to a hooking element (7). One of the coils of the balance spring includes a finger (8) mounted integrally with the coil. The finger includes a feeler spindle stud that develops in a parallel direction to the pivot axis perpendicularly to a plane in which different coils extend, where the hooking element is fixed to a flange. Independent claims are also included for the following: (1) an anti-trip mechanism for a timepiece regulating element (2) a timepiece movement (3) a method for fabricating an anti-trip mechanism.

IPC 8 full level  
**G04B 17/06** (2006.01); **G04B 17/26** (2006.01)

CPC (source: EP KR RU US)  
**G04B 17/06** (2013.01 - KR); **G04B 17/066** (2013.01 - EP US); **G04B 17/26** (2013.01 - EP US); **G04B 17/066** (2013.01 - RU); **G04B 17/26** (2013.01 - RU); **Y10T 29/49579** (2015.01 - EP RU US)

Cited by  
CN107450296A

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 2690506 A1 20140129; EP 2690506 B1 20150114**; CN 103576527 A 20140212; CN 103576527 B 20160629; HK 1194490 A1 20141017; JP 2014025932 A 20140206; JP 5503786 B2 20140528; KR 101478449 B1 20141231; KR 20140013930 A 20140205; RU 2013134933 A 20150127; RU 2616895 C2 20170418; TW 201411303 A 20140316; TW I603171 B 20171021; US 2014029389 A1 20140130; US 9016934 B2 20150428

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**EP 12177895 A 20120725**; CN 201310316333 A 20130725; HK 14107964 A 20140804; JP 2013154198 A 20130725; KR 20130082791 A 20130715; RU 2013134933 A 20130724; TW 102124735 A 20130710; US 201313945277 A 20130718