

Title (en)  
Hairspring with two spiral springs

Title (de)  
Spirale mit zwei Spiralfedern

Title (fr)  
Spiral à deux ressort-spiraux

Publication  
**EP 2570871 B1 20140319 (FR)**

Application  
**EP 11181307 A 20110914**

Priority  
EP 11181307 A 20110914

Abstract (en)  
[origin: EP2570871A1] The spring (37) has a hairspring (41) whose inner coil has a collet (40) arranged on a mounting structure (32). Another hairspring (43) is connected to the outer coil of the hairspring (41). An inner coil of the hairspring (43) has a device (47) for shifting the pinning point comprising a free end arranged to be secured to a balance spring stud in the plane of hairspring (43). The shifting device has a structure (42) connected to the inner coil through an u-shaped bend extending from the inner coil of the hairspring (43) to avoid providing elastic torque. An independent claim is included for movement structure.

IPC 8 full level  
**G04B 17/32** (2006.01)

CPC (source: EP US)  
**G04B 17/325** (2013.01 - EP US)

Cited by  
EP2887154A1; US9122246B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 11181307 A 20110914**; CN 201210342803 A 20120914; HK 13110947 A 20130925; JP 2012202313 A 20120914; RU 2012139263 A 20120913; US 201213609858 A 20120911