

Title (en)

Timepiece barrel

Title (de)

Federgehäuse einer Uhr

Title (fr)

Barillet d'horlogerie

Publication

**EP 2746866 B1 20160518 (FR)**

Application

**EP 12197742 A 20121218**

Priority

EP 12197742 A 20121218

Abstract (en)

[origin: EP2746866A1] The timepiece barrel (1) has a spring (7) that is housed between a pivoting drum (6) and a ratchet (2). A single-portion sub-assembly (10) is coaxial with an arbor (3) for carrying ratchet. A hub (4) is provided for guiding barrel main-portion in a bottom plate (9). The single-portion sub-assembly is pivoted on an upper shoulder (13) in a bore (51) of the drum on end pipe. The spring is made of cobalt-nickel-chromium based alloy comprising 44 to 46% cobalt, 20 to 22% nickel, 17 to 19% chromium, 4 to 6% iron, 3 to 5% tungsten, 3 to 5% molybdenum, 0 to 2% titanium and 0 to 1 % beryllium.

IPC 8 full level

**G04B 1/14** (2006.01); **G04B 1/16** (2006.01)

CPC (source: EP US)

**G04B 1/145** (2013.01 - EP US); **G04B 1/16** (2013.01 - EP US)

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**EP 12197742 A 20121218**; CN 201310699729 A 20131218; CN 201320838991 U 20131218; HK 14112572 A 20141215; JP 2013260872 A 20131218; RU 2013156066 A 20131217; US 201314104199 A 20131212