Title (en)

Timepiece barrel

Title (de)

Federgehäuse einer Uhr

Title (fr)

Barillet d'horlogerie

Publication

EP 2746866 A1 20140625 (FR)

Application

EP 12197742 A 20121218

Priority

EP 12197742 A 20121218

Abstract (en)

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.

Abstract (fr)

Barillet d'horlogerie (1) pour montage pivotant entre une platine (9) et un pont (5) et comportant au moins un ressort (7) logé entre un tambour (6) pivotant et un rochet (2) et accroché entre, à son extrémité extérieure ledit tambour (6) et à son extrémité intérieure un arbre (3) lequel est solidaire en pivotement avec ledit rochet (2) autour d'un axe de pivotement (D). Ledit barillet (1) comporte un sous-ensemble monobloc (10) coaxial audit arbre (3) et regroupant, autour d'un noyau (4), ledit arbre (3) et ledit rochet (2) lequel est situé au voisinage immédiat de ladite platine (9).

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)

Citation (search report)

- [X] US 1561673 A 19251117 - EVERETT ULERY CLARENCE, et al
- [X] CH 15286 A 18980430 - DANASINO GIUSEPPE [IT]
- [X] US 168581 A 18751011
- [A] FR 1034443 A 19530723
- [A] GB 647819 A 19501220 - ELGIN NAT WATCH CO

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2746866 A1 20140625; **EP 2746866 B1 20160518**; CN 103869675 A 20140618; CN 103869675 B 20170728; CN 203849561 U 20140924; HK 1199115 A1 20150619; JP 2014119462 A 20140630; JP 5687756 B2 20150318; RU 2013156066 A 20150627; RU 2640757 C2 20180111; US 2014169141 A1 20140619; US 8894275 B2 20141125

DOCDB simple family (application)

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