

Title (en)

Timepiece barrel

Title (de)

Federgehäuse einer Uhr

Title (fr)

Barillet d'horlogerie

Publication

**EP 2746867 A1 20140625 (FR)**

Application

**EP 12197745 A 20121218**

Priority

EP 12197745 A 20121218

Abstract (en)

The barrel (1) has a spring (7) accommodated between a drum (6) and a cover (8) and attached between the drum at its outer end and a shaft (3) at its inner end. The shaft is secured to pivot with a ratchet (2) around a pivot axis. A single-piece subset (10) is coaxial to the shaft and regroups the ratchet or/and a core (4). The core is provided with a flange (17) for limiting an axial clearance of the drum. The flange carries a driving unit (42) for freely and pivotingly driving the ratchet in axial manner according to the direction of the pivot axis. An independent claim is also included for a clockwork movement.

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 couvercle (8) et accroché entre, à son extrémité extérieure ledit tambour (6) et à son extrémité intérieure un arbre (3) lequel est solidaire en pivotement avec un rochet (2) autour d'un axe de pivotement (D). Ledit barillet (1) comporte un sous-ensemble monobloc (10) coaxial audit arbre (3) et regroupant ledit arbre (3) et un noyau (4) muni d'une collerette (17) de limitation de l'ébat axial dudit tambour (6), ladite collerette (17) étant porteuse de moyens d'entraînement en pivotement (42) pour l'entraînement en pivotement dudit rochet (2) lequel est libre axialement selon la direction dudit axe de pivotement (D).

IPC 8 full level

**G04B 1/14** (2006.01); **G04B 1/16** (2006.01); **G04B 1/18** (2006.01)

CPC (source: EP US)

**G04B 1/145** (2013.01 - EP US); **G04B 1/16** (2013.01 - EP US); **G04B 1/18** (2013.01 - US)

Citation (search report)

- [XYI] US 804728 A 19051114 - JOHNSON GEORGE F [US]
- [IJ] CH 83330 A 19191201 - BEAULIEU WATCH CO [CH]
- [Y] CH 295135 A 19531215 - BRAC AG [CH]
- [A] US 165831 A 18750720
- [A] US 996499 A 19110627 - MARSHALL ROBERT L [US]
- [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 2746867 A1 20140625**; **EP 2746867 B1 20151216**; CN 104685424 A 20150603; CN 104685424 B 20170308; HK 1210525 A1 20160422; JP 2015529339 A 20151005; JP 5918448 B2 20160518; US 2015220059 A1 20150806; US 9471036 B2 20161018; WO 2014095123 A1 20140626

DOCDB simple family (application)

**EP 12197745 A 20121218**; CN 201380050570 A 20131021; EP 2013071918 W 20131021; HK 15111136 A 20151111; JP 2015532475 A 20131021; US 201314419573 A 20131021