

Title (en)
Clock barrel with reduced core diameter

Title (de)
Uhren-Federgehäuse mit reduziertem Durchmesser

Title (fr)
Barillet d'horlogerie à diamètre de bonde réduit

Publication
EP 2570864 B1 20181114 (FR)

Application
EP 11181354 A 20110915

Priority
EP 11181354 A 20110915

Abstract (en)
[origin: EP2570864A1] The barrel assembly (1) has a main spring (2) mounted between a drum (3) and a receiving surface (5) having a core (4) coaxial to the drum about an axis (D). The core includes a fixing unit (120) for fixing a ratchet and/or a pivot bearing in a plate, a bearing (43) for pivoting the drum, and a collar (40) projecting from the bearing on an inner surface (31) of the drum toward the spring. Another bearing (44) radially set back from the receiving surface pivots a cover (7) for closing the assembly, and another pivot bearing (182) is provided in a plate or a bridge of a clock mechanism. An independent claim is also included for a timepiece movement.

IPC 8 full level
G04B 1/16 (2006.01)

CPC (source: EP US)
G04B 1/145 (2013.01 - EP US); **G04B 1/16** (2013.01 - EP US); **G04B 1/165** (2013.01 - US); **G04B 1/18** (2013.01 - US)

Cited by
EP2746865A1; WO2014095125A1; US9367037B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
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