

Title (en)

BARREL WITH PROFILE SYSTEM WITH AN ALTERNATING GEOMETRY FOR A TIMEPIECE

Title (de)

FEDERHAUS MIT PROFILSYSTEM MIT EINER ALTERIERENDEN GEOMETRIE FÜR EINE UHR

Title (fr)

BARILLET À SYSTÈME PROFILAIRE À GEOMÉTRIE ALTERNÉE POUR PIÈCE D'HORLOGERIE

Publication

EP 3052991 B1 20171108 (FR)

Application

EP 14783780 A 20140925

Priority

- CH 17072013 A 20131004
- EP 2014070550 W 20140925

Abstract (en)

[origin: WO2015058922A1] The invention relates to a barrel (11) for an automatic watch comprising a drum (4) with an inner side wall (3) and a barrel spring (1) provided with an outer coil (2) which frictionally engages with the inner side wall (3) of the drum (4), the profile of the inner side wall (3) comprising a plurality of alternately arranged sliding arcs of circle (5) and friction arcs of circle (6), wherein the sliding and friction arcs (5, 6) substantially correspond to a geometric arrangement consisting of a profile construction element (7) acting as a geometric reference for determining the positions and dimensions of sliding arcs (5) and friction arcs (6).

IPC 8 full level

G04B 1/20 (2006.01); **G04B 5/24** (2006.01); **G04F 8/04** (2006.01)

CPC (source: EP)

G04B 1/16 (2013.01); **G04B 1/20** (2013.01); **G04F 7/0876** (2013.01)

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

DOCDB simple family (publication)

CH 708661 A1 20150415; EP 3052991 A1 20160810; EP 3052991 B1 20171108; WO 2015058922 A1 20150430

DOCDB simple family (application)

CH 17072013 A 20131004; EP 14783780 A 20140925; EP 2014070550 W 20140925