

Title (en)
Timepiece

Title (de)
Uhr

Title (fr)
Pièce d'horlogerie

Publication
EP 2437125 A1 20120404 (FR)

Application
EP 11405329 A 20110923

Priority
• EP 10405181 A 20101001
• EP 11405329 A 20110923

Abstract (en)
The movement has a barrel (1) for a housing of a mainspring whose diameter is less than radius of movement. The barrel has a cylindrical sidewall (2) surrounded by teeth (3). The sidewall has edges closed by disks (4, 4'), where each disk has an axial opening for passage of arbor (7). Height of the housing ranges between 85 percentage and 97 percentage of total height at periphery of the barrel. One of the disks has thickness ranging between 0.04 and 0.12 mm. The opening is encircled by annular projection (6) connected to a surface of the disk that is formed from silicon, quartz and diamond.

Abstract (fr)
Cette pièce d'horlogerie comprend un mouvement de diamètre inférieur à 40 mm qui comporte un barillet (1) pour le logement d'un ressort moteur et dont le diamètre est inférieur au rayon dudit mouvement. Le barillet (1) comporte une paroi latérale cylindrique (2), entourée d'une denture (3), dont chaque bord (21, 21') est fermé par un disque (4, 4') traversé axialement d'une ouverture (5, 5') de pivotement d'un arbre (7) de barillet. La hauteur dudit logement est comprise entre 85% et 97% de la hauteur totale à la périphérie du barillet (1).

IPC 8 full level
G04B 1/16 (2006.01); **G04B 33/06** (2006.01)

CPC (source: EP US)
G04B 1/16 (2013.01 - EP US); **G04B 33/06** (2013.01 - EP US)

Citation (applicant)
• FR 1220417 A 19600524 - AUGÉ & CO ETS
• EP 1837717 A1 20070926 - MONTRES BREGUET SA [CH]

Citation (search report)
• [X] US 716013 A 19021216 - ERICKSON LEWIS A [US]
• [I] CH 131142 A 19290131 - D HORLOGERIE LA CHAMPAGNE LOUI [CH]
• [X] FR 616436 A 19270202 - VEDETTE HORLOGERIE

Cited by
CH712519A1; CN107632510A; EP3974913A1; EP3273304A1; US10761482B2; EP3889688B1

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 2437125 A1 20120404; EP 2437125 B1 20190904; CN 102445895 A 20120509; CN 102445895 B 20170412; JP 2012078354 A 20120419; JP 5999882 B2 20160928; US 2012082009 A1 20120405; US 9298162 B2 20160329

DOCDB simple family (application)
EP 11405329 A 20110923; CN 201110335823 A 20110930; JP 2011210133 A 20110927; US 201113234261 A 20110916