

Title (en)
TIMEPIECE BARREL ASSEMBLY HAVING A SMALL CORE DIAMETER

Title (de)
FEDERGEHÄUSE FÜR EINE UHR MIT KLEINEM KERNDURCHMESSER

Title (fr)
ENSEMBLE BARILLET D'HORLOGERIE A DIAMETRE DE BONDE REDUIT

Publication
EP 2756360 A1 20140723 (FR)

Application
EP 12759423 A 20120913

Priority
• EP 11181352 A 20110915
• EP 2012067913 W 20120913
• EP 12759423 A 20120913

Abstract (en)
[origin: EP2570862A1] The assembly (1) has a barrel mainspring (2) mounted in torsion between a barrel drum (3) at one end (21) and a reception surface (5) at another end, where the surface receives a barrel core (4) coaxial to the drum around a swivel axis (D). Maximum radius of the core relative to the swivel axis of the core is less than nine times maximum thickness of the mainspring. A limiting unit (6) provided on the core limits longitudinal play between the drum and the mainspring in the direction of the axis. The surface is a rotation surface formed by a cylindrical clearance between bearing surfaces. An independent claim is also included for a clockwork movement.

IPC 8 full level
G04B 1/16 (2006.01); **G04B 1/14** (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 1/165** (2013.01 - US); **G04B 1/18** (2013.01 - EP US)

Citation (search report)
See references of WO 2013037870A1

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)
EP 2570862 A1 20130320; EP 2570862 B1 20140305; CN 103797425 A 20140514; CN 103797425 B 20160817; EP 2756360 A1 20140723; EP 2756360 B1 20150527; HK 1197840 A1 20150218; IN 2738CHN2014 A 20150703; JP 2014526691 A 20141006; JP 5702509 B2 20150415; RU 2559125 C1 20150810; US 2014211596 A1 20140731; US 9033573 B2 20150519; WO 2013037870 A1 20130321

DOCDB simple family (application)
EP 11181352 A 20110915; CN 201280045269 A 20120913; EP 12759423 A 20120913; EP 2012067913 W 20120913; HK 14111175 A 20141104; IN 2738CHN2014 A 20140410; JP 2014530208 A 20120913; RU 2014114788 A 20120913; US 201214240975 A 20120913