

Title (en)
SPRING LOADED DRIVING MEMBER FOR TIMEPIECE MOVEMENT

Title (de)
FEDERDRUCK-ANTRIEBSGLIED FÜR EIN UHRWERK

Title (fr)
ORGANE MOTEUR A RESSORTS POUR MOUVEMENT D'HORLOGERIE

Publication
EP 2212749 A1 20100804 (FR)

Application
EP 08805121 A 20081008

Priority

- EP 2008063419 W 20081008
- EP 07120872 A 20071116
- EP 08805121 A 20081008

Abstract (en)
[origin: EP2060957A1] The member has coaxial barrels (1, 11) comprising cylindrical frames (2, 12) with teeth (3, 13), cylindrical outer drum (4) and drum (14), bottoms (5, 15) and springs (7, 17). The springs are rolled inside the frame and have outer ends coupled with the frames and inner ends coupled to cores (8, 18). The cores are mutually integrated and the bottoms of the barrels are situated axially opposite to each other. The barrels are devoid of lid, and the springs are separated from each other by a separation washer (26) made of antifriction material, where washer extends between the drums of the frames.

IPC 8 full level
G04B 1/12 (2006.01)

CPC (source: EP US)
G04B 1/12 (2013.01 - EP US)

Citation (search report)
See references of WO 2009062792A1

Cited by
EP3654109A1; WO2020100004A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2060957 A1 20090520; CN 101861551 A 20101013; CN 101861551 B 20120229; EP 2212749 A1 20100804; EP 2212749 B1 20120829; HK 1149607 A1 20111007; JP 2011503595 A 20110127; JP 5346949 B2 20131120; US 2010246339 A1 20100930; US 8379493 B2 20130219; WO 2009062792 A1 20090522

DOCDB simple family (application)
EP 07120872 A 20071116; CN 200880116168 A 20081008; EP 08805121 A 20081008; EP 2008063419 W 20081008; HK 11103726 A 20110413; JP 2010533524 A 20081008; US 74321308 A 20081008