

Title (en)
Driving organ for clockwork

Title (de)
Antriebsorgan für Uhrwerken

Title (fr)
Organe moteur pour mouvement d'horlogerie

Publication
EP 2455820 A3 20160518 (FR)

Application
EP 11188982 A 20111114

Priority
CH 19232010 A 20101117

Abstract (en)
[origin: EP2455820A2] The driving mechanism (1) has main spring unit with first spring (8) and second spring (11) made of fiber-reinforced polymer. The inner extremity (10) and outer extremity (13) of first and second springs are respectively coupled to center (16) and periphery (15) of plate (14) so that two springs simultaneously wind up around axis when driving mechanism is wound up. The outer extremity (9) and inner extremity (12) of first and second springs are respectively fastened to outer drum (6) of barrel and coupled to arbor (3).

IPC 8 full level
G04B 1/12 (2006.01); **G04B 1/14** (2006.01)

CPC (source: EP US)
G04B 1/12 (2013.01 - EP US); **G04B 1/145** (2013.01 - EP US)

Citation (search report)
• [AD] EP 2060957 A1 20090520 - ETA SA MFT HORLOGERE SUISSE [CH]
• [A] CH 699988 A2 20100531 - PATEK PHILIPPE SA GENEVE [CH]

Cited by
US8956042B2; US11543775B2; WO2018146639A1; EP3382468A1

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 2455820 A2 20120523; EP 2455820 A3 20160518; EP 2455820 B1 20170830; CH 704150 A2 20120531; CN 102467069 A 20120523; JP 2012108133 A 20120607; US 2012120775 A1 20120517

DOCDB simple family (application)
EP 11188982 A 20111114; CH 19232010 A 20101117; CN 201110430606 A 20111116; JP 2011250799 A 20111116; US 201113291540 A 20111108