

Title (en)
DRIVING DEVICE FOR CLOCKWORK

Title (de)
ANSTEUERUNGSVORRICHTUNG FÜR UHRWERK

Title (fr)
ORGANE MOTEUR POUR MOUVEMENT D'HORLOGERIE

Publication
EP 2864841 A2 20150429 (FR)

Application
EP 13728420 A 20130614

Priority
• CH 8832012 A 20120622
• EP 2013062408 W 20130614

Abstract (en)
[origin: WO2013189856A2] Drive member (1) for clock movement comprising: a barrel (2, 2') comprising a drum (6, 6') mounted on an arbor (3) so that it can rotate with the arbor (3) about an axis (4) when the drive member (1) is wound up; a main spring (8, 11) wound inside the barrel (2) and able to be wound up around the arbor (3) when the drive member (1) is wound up, and a core (17, 17') coaxial with and pivoting on the arbor (3); the exterior end (9, 13) of the spring (8, 11) being coupled to the drum (6, 6') and the interior end (10, 12) of the spring (8, 11) being coupled to the core (17, 17'); the exterior end (9, 13) of the spring (8, 11) is coupled to the drum (6, 6') by a first clamp (18) that is pivot mounted in the drum (6, 6') so that when the spring (8, 11) is unwound, the first clamp (18) pivots in such a way as to hold the exterior turn of the first spring (8, 11) against the drum (6, 6') and when the spring (8, 11) is wound up, the first clamp (18) pivots towards the centre of the barrel (2) to follow the exterior turn of the spring (8, 11). The bending stresses in the spring are reduced.

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

CPC (source: EP US)
G04B 1/12 (2013.01 - EP US); **G04B 1/14** (2013.01 - EP US); **G04B 1/18** (2013.01 - US); **Y10T 29/49583** (2015.01 - EP US)

Citation (search report)
See references of WO 2013189856A2

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BA ME

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