

Title (en)

Winding device with one-way drive arrangement

Title (de)

Aufziehvorrichtung mit unidirektionaler Antriebsanordnung

Title (fr)

Dispositif de remontage à agencement d'entraînement unidirectionnel

Publication

EP 3018535 B1 20180905 (FR)

Application

EP 14192336 A 20141107

Priority

EP 14192336 A 20141107

Abstract (en)

[origin: US2016132022A1] The winding device includes a solar pinion mounted for free rotation in a coaxial manner about a central arbor on a winding wheel. The device also includes toothed planetary wheels for meshing with a toothing of the solar pinion. The planetary wheels are mounted for free rotation with play about a respective offset arbor fixed to the winding wheel. The device also includes one or two hooks of a frame fixedly mounted on the winding wheel. In a first direction of rotation of the solar pinion, a planetary wheel is in a locking position in contact with a hook in order to drive the winding wheel. In a second direction of rotation opposite to the first direction of rotation, the planetary wheel is uncoupled so that the rotation of the solar pinion does not drive the winding wheel.

IPC 8 full level

G04B 5/06 (2006.01)

CPC (source: CN EP US)

G04B 3/006 (2013.01 - US); **G04B 5/00** (2013.01 - CN); **G04B 5/06** (2013.01 - EP US); **G04B 5/08** (2013.01 - CN); **G04B 7/00** (2013.01 - CN); **G04B 13/00** (2013.01 - CN); **G04B 5/02** (2013.01 - US)

Citation (examination)

CH 325582 A 19571115 - LONGINES MONTRES COMP D [CH]

Cited by

EP4198640A1; CH719375A1; EP4216000A1

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 3018535 A1 20160511; **EP 3018535 B1 20180905**; CN 105589320 A 20160518; CN 105589320 B 20180413; JP 2016090579 A 20160523; JP 6091581 B2 20170308; US 2016132022 A1 20160512; US 9400487 B2 20160726

DOCDB simple family (application)

EP 14192336 A 20141107; CN 201510751631 A 20151106; JP 2015214175 A 20151030; US 201514929708 A 20151102