

Title (en)

Solar electric winding for automatic watch

Title (de)

Elektrischer Solar-Aufzugmechanismus für automatische Armbanduhr

Title (fr)

Remontoir électrique solaire pour montre automatique

Publication

EP 2746869 B1 20191016 (FR)

Application

EP 12198819 A 20121221

Priority

EP 12198819 A 20121221

Abstract (en)

[origin: EP2746869A1] The winder (1) has a motor module (9) to drive a removable rotative support (7), and an accumulator (15) to supply power to the motor. A photovoltaic cell (13) charges the accumulator. A light sensor (21) is connected to a clockwork microcontroller (19) that is connected to an internal clock and arranged to be controlled by the user. The support is driven only in the mode when the winder is illuminated and a driving program of the support is started in another mode at an hour previously selected by a control interface (23) of the microcontroller.

IPC 8 full level

G04B 3/00 (2006.01); **G04D 7/00** (2006.01)

CPC (source: EP US)

G04B 3/006 (2013.01 - EP US); **G04C 1/00** (2013.01 - US); **G04D 7/009** (2013.01 - EP US)

Cited by

CN108523554A; EP3096191A1; WO2016184736A1

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 2746869 A1 20140625; **EP 2746869 B1 20191016**; CN 103885316 A 20140625; CN 103885316 B 20160928; HK 1199310 A1 20150626; JP 2014122896 A 20140703; JP 5639705 B2 20141210; RU 2013156820 A 20150627; RU 2577384 C2 20160320; US 2014177400 A1 20140626; US 8870447 B2 20141028

DOCDB simple family (application)

EP 12198819 A 20121221; CN 201310707989 A 20131220; HK 14112627 A 20141217; JP 2013262187 A 20131219; RU 2013156820 A 20131220; US 201314109209 A 20131217