

Title (en)
AUTOMATIC WINDING OF A WATCH

Title (de)
AUTOMATISCHES AUFZIEHEN EINER ARMBANDUHR

Title (fr)
REMONTAGE AUTOMATIQUE D'UNE MONTRE

Publication
EP 3163381 B1 20190626 (FR)

Application
EP 15191497 A 20151026

Priority
EP 15191497 A 20151026

Abstract (en)
[origin: US2017115628A1] Watch comprising a case containing an energy accumulator recharged by a winding mechanism, this watch is arranged to receive, attached to the case or in immediate proximity thereto, an additional self-winding mechanism arranged to be worn by a user at the same time as the watch and comprising a transmitter wheel set arranged for contactless cooperation with a receiver wheel set comprised in the winding mechanism, by remote interaction under the action of a field in the air-gap between the transmitter wheel set and the receiver wheel set, the intensity of the field and the maximum air-gap distance being defined to transmit to the receiver wheel set, to recharge the energy accumulator, a torque or a force imparted by a user to the transmitter wheel set, and the additional self-winding mechanism is removable and portable with respect to the case.

IPC 8 full level
G04B 37/12 (2006.01); **G04B 3/02** (2006.01); **G04B 5/02** (2006.01); **G04B 5/20** (2006.01); **G04B 7/00** (2006.01)

CPC (source: CN EP RU US)
G04B 3/00 (2013.01 - RU US); **G04B 3/006** (2013.01 - CN RU); **G04B 3/02** (2013.01 - EP RU US); **G04B 5/005** (2013.01 - RU US); **G04B 5/02** (2013.01 - EP RU US); **G04B 5/04** (2013.01 - US); **G04B 5/18** (2013.01 - CN); **G04B 5/20** (2013.01 - CN EP US); **G04B 7/00** (2013.01 - EP US); **G04B 37/12** (2013.01 - EP RU US)

Cited by
EP4002018A1; EP3982209A1

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 3163381 A1 20170503; EP 3163381 B1 20190626; CN 107024851 A 20170808; CN 107024851 B 20190604; JP 2017083442 A 20170518; JP 6313835 B2 20180418; RU 2016141875 A 20180427; RU 2016141875 A3 20191212; RU 2711970 C2 20200123; US 2017115628 A1 20170427; US 9927771 B2 20180327

DOCDB simple family (application)
EP 15191497 A 20151026; CN 201610932285 A 20161025; JP 2016208367 A 20161025; RU 2016141875 A 20161025; US 201615293718 A 20161014