

Title (en)
WINDING MECHANISM OF A TIMEPIECE

Title (de)
AUFZIEHMECHANISMUS EINER UHR

Title (fr)
MÉCANISME DE REMONTAGE D'UNE PIÈCE D'HORLOGERIE

Publication
EP 3376309 B1 20220518 (FR)

Application
EP 17161690 A 20170317

Priority
EP 17161690 A 20170317

Abstract (en)
[origin: US2018267475A1] The invention relates to a winding mechanism of a timepiece comprising at least one first and one second power accumulators, said winding mechanism comprising a winding stem, a winding pinion and a sliding pinion having face gear toothings, facing one another, provided in order to allow driving of the winding pinion by the sliding pinion in the two directions of rotation of the winding stem, said winding stem and the sliding pinion occupying the same axial winding position. The winding mechanism comprises a coupling device which cooperates with the winding pinion and is provided in order to occupy a first coupling position for coupling the winding pinion and the first power accumulator when the winding stem is turned in one direction, the second power accumulator being uncoupled, without any contact with said coupling device, and a second coupling position for coupling the winding pinion and the second power accumulator when the winding stem is turned in the other direction, the first power accumulator being uncoupled, without any contact with said coupling device.

IPC 8 full level
G04B 3/00 (2006.01); **G04B 27/02** (2006.01); **G04B 27/04** (2006.01)

CPC (source: CN EP RU US)
G04B 3/006 (2013.01 - EP RU US); **G04B 13/00** (2013.01 - CN); **G04B 23/023** (2013.01 - CN); **G04B 27/026** (2013.01 - EP RU US); **G04B 27/04** (2013.01 - EP RU US); **G04B 37/062** (2013.01 - US)

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 3376309 A1 20180919; **EP 3376309 B1 20220518**; CN 108628142 A 20181009; CN 108628142 B 20200612; JP 2018155751 A 20181004; JP 6706639 B2 20200610; RU 2018109333 A 20190916; RU 2018109333 A3 20210723; RU 2760425 C2 20211124; US 10802445 B2 20201013; US 2018267475 A1 20180920

DOCDB simple family (application)
EP 17161690 A 20170317; CN 201810218496 A 20180316; JP 2018045294 A 20180313; RU 2018109333 A 20180316; US 201815919258 A 20180313