

Title (en)
Bi-directional automatic winding mechanism for a clock movement

Title (de)
Automatischer bidirektionaler Aufziehmechanismus für Uhrwerk

Title (fr)
Mécanisme de remontage automatique bidirectionnel pour mouvement d'horlogerie.

Publication
EP 2634650 A3 20171025 (FR)

Application
EP 13000982 A 20130227

Priority
CH 2642012 A 20120229

Abstract (en)
[origin: EP2634650A2] The mechanism has an oscillating mass (2), and a mobile (15) with a sawtooth wheel (14) and intended to actuate a winding ratchet (25) of a clock movement and two pawls (12a, 12b). The pawls co-operate with the wheel to alternatively move the mobile under the effect of oscillation of the oscillating mass. The mobile includes disengaging devices intended to uncouple the wheel from the winding ratchet during manual reassembly of the clock movement. The disengaging devices are located in a cavity defined by the wheel.

IPC 8 full level
G04B 3/04 (2006.01); **G04B 5/02** (2006.01); **G04B 7/00** (2006.01); **G04B 11/00** (2006.01)

CPC (source: EP)
G04B 3/046 (2013.01); **G04B 5/02** (2013.01); **G04B 7/00** (2013.01); **G04B 11/008** (2013.01)

Citation (search report)

- [XAI] CH 691748 A5 20010928 - LESCHOT SA [CH]
- [II] EP 2392975 A2 201111207 - PATEK PHILIPPE SA GENEVE [CH]
- [I] CH 216720 A 19410915 - SCHILD SA A [CH]
- [A] CH 333993 A 19581115 - MANUF DES MONTRES PERRET FRERE [CH]
- [A] GB 852225 A 19601026 - OTTO EPPLE

Cited by
CN107765535A; EP4375758A3; EP3203326A1; WO2024095067A1; EP4375758A2

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

Designated extension state (EPC)
BA ME

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EP 2634650 A2 20130904; EP 2634650 A3 20171025; EP 2634650 B1 20190925; CH 706144 A1 20130830

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EP 13000982 A 20130227; CH 2642012 A 20120229