

Title (en)

Stem device for winding and setting the time for a watch

Title (de)

Vorrichtung mit Spindel zum Aufziehen und zur Zeiteinstellung von Uhren

Title (fr)

Dispositif à tige de remontoir et de mise à l'heure pour une montre

Publication

EP 1748330 A1 20070131 (FR)

Application

EP 05016139 A 20050726

Priority

EP 05016139 A 20050726

Abstract (en)

The device has a stem (1) provided for securing the stem to a manual control crown on an exterior of a watch. Another stem (2) is secured to an axially mobile sliding pinion (8). The stems are connected by a transmission device, where one stem is mounted to be axially mobile between operating positions associated with the functions and another stem has a non-circular transverse cross-section, on which the sliding pinion is engaged with a peripheral groove (51) in which a lever (52) of pull-out mechanism is engaged.

IPC 8 full level

G04B 37/06 (2006.01); **G04B 3/04** (2006.01); **G04B 27/04** (2006.01)

CPC (source: EP US)

G04B 3/046 (2013.01 - EP US); **G04B 27/04** (2013.01 - EP US); **G04B 37/066** (2013.01 - EP US)

Citation (applicant)

- CH 691632 A5 20010831 - CHOPARD INTERNAT S A [CH]
- EP 1134628 A1 20010919 - DUBOIS & DEPRAZ SA [CH]

Citation (search report)

- [XA] DE 593654 C 19340306 - WILHELM KOEHLER
- [A] US 4555185 A 19851126 - VUILLEUMIER CYRIL [CH]
- [DA] EP 1134628 A1 20010919 - DUBOIS & DEPRAZ SA [CH]
- [DA] CH 691632 A5 20010831 - CHOPARD INTERNAT S A [CH]

Cited by

EP2600214A1; EP2365407A1; WO2013079689A1; CN104024962A; US2011216631A1; US8439558B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

EP 1748330 A1 20070131; **EP 1748330 B1 20090513**; AT E431581 T1 20090515; CN 1904770 A 20070131; CN 1904770 B 20100609; DE 602005014468 D1 20090625; HK 1103455 A1 20071221; JP 2007033446 A 20070208; JP 4996159 B2 20120808; US 2007025191 A1 20070201; US 7563020 B2 20090721

DOCDB simple family (application)

EP 05016139 A 20050726; AT 05016139 T 20050726; CN 200610107849 A 20060726; DE 602005014468 T 20050726; HK 07107727 A 20070718; JP 2006201868 A 20060725; US 46002006 A 20060726