Title (en)

DAY OF THE MONTH DISPLAY MECHANISM FOR WATCH MOVEMENT

Title (de)

MONATSTAGANZEIGEMECHANISMUS FÜR UHRENBEWEGUNG

Title (fr)

MECANISME D'AFFICHAGE DU QUANTIEME POUR MOUVEMENT DE MONTRE

Publication

EP 1609028 B1 20090311 (FR)

Application

EP 04723605 A 20040326

Priority

• EP 2004050370 W 20040326
• CH 5712003 A 20030402

Abstract (en)

[origin: WO2004088435A2] The invention relates to a day of the month display mechanism for a watch movement. The inventive mechanism comprises two mobile elements (1) each of which bears a sequence of numbers (10). The two mobile elements are disposed such that, for certain dates at least, the day of the month (3) displayed to the user corresponds to a combination of indications borne by the first element (1) and indications borne by the second element (2), while, for other dates, the day of the month (3) corresponds to a combination of two numbers from the same element (2). The second mobile element (2) is driven by the first element (1) by means of a star (50) which is held by a jumper (51) in order to prevent the unwanted rotation of said star. Moreover, a stop element (511) is arranged such as to prevent the aforementioned jumper from passing directly from one tooth (501) of the star to a non-adjacent tooth thereof when the date is being changed.

IPC 8 full level

G04B 19/24 (2006.01); **G04B 11/00** (2006.01); **G04B 19/20** (2006.01); **G04B 19/247** (2006.01); **G04C 17/00** (2006.01)

CPC (source: EP US)

G04B 11/008 (2013.01 - EP US); **G04B 19/247** (2013.01 - EP US)

Cited by

EP3040784A1; EP3040788A1; EP3040785A1; US9547279B2; US9733619B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2004088435 A2 20041014; **WO 2004088435 A3 20050203**; AT E425480 T1 20090315; CN 100480899 C 20090422; CN 1745342 A 20060308; DE 602004019892 D1 20090423; EP 1609028 A2 20051228; EP 1609028 B1 20090311; EP 2073075 A2 20090624; EP 2073075 A3 20100106; HK 1086895 A1 20060929; JP 2006522323 A 20060928; JP 4567666 B2 20101020; US 2006028918 A1 20060209; US 7724611 B2 20100525

DOCDB simple family (application)

EP 2004050370 W 20040326; AT 04723605 T 20040326; CN 200480003378 A 20040326; DE 602004019892 T 20040326; EP 04723605 A 20040326; EP 09154720 A 20040326; HK 06106883 A 20060615; JP 2006505494 A 20040326; US 23875105 A 20050929