

Title (en)

MECHANICAL SYSTEM FOR INDICATING LARGE SIZE CALENDAR DATE FOR WATCH OR SMALL CLOCK MOVEMENTS

Title (de)

MECHANISCHES VERFAHREN ZUR DATUMSGROSSANZEIGE FÜR UHREN- UND PENDELUHRWERKE

Title (fr)

SYSTEME MECANIQUE D'INDICATION DU QUANTIEME DE GRAND FORMAT POUR MOUVEMENTS DE MONTRES ET PENDULETTES

Publication

EP 0950213 A1 19991020 (FR)

Application

EP 98941206 A 19980910

Priority

- CH 9800390 W 19980910
- CH 214897 A 19970911

Abstract (en)

[origin: WO9913383A1] A. Description: a) a cambered toothed ring (1) of 31 more or less long and high slots are urged to replace the initial date ring; b) an 8-toothed star (10) topped with a disk (11) is used for indicating the tens of the month through an open window (16) in the dial (15); c) a 10-toothed star (7) topped with a disk (8) is used to indicate the units of the month through an open window (16) in the dial (15). d) a spring cam jumper (13) maintains the stars in position; e) a main plate (5) of the movement diameter is urged to be fixed on the watch movement to assemble together the whole set of said components. B. Function mode: a) the toothed ring (1) rotates completely in 31 days; b) the cambered slots of said ring drive each star forward by one tooth at a time; c) the stars co-operate with the ring each at a different level; d) when a slot is shorter or less high, it does not drive the star and the latter stays put; e) such that the ring is programmed for the disks to indicate through the dial the days of the month from 1 to 31 and automatically shift from 31 to 1.

IPC 1-7

G04C 17/00

IPC 8 full level

G04B 19/253 (2006.01); **G04B 19/247** (2006.01); **G04C 17/00** (2006.01)

CPC (source: EP)

G04B 19/247 (2013.01); **G04C 17/0066** (2013.01)

Citation (search report)

See references of WO 9913383A1

Cited by

US7864634B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9913383 A1 19990318; AT E230127 T1 20030115; CA 2271999 A1 19990318; DE 69810261 D1 20030130; DE 69810261 T2 20031106; EA 001013 B1 20000828; EA 199900455 A1 19991229; EP 0950213 A1 19991020; EP 0950213 B1 20021218; ES 2190097 T3 20030716; HK 1025637 A1 20001117; JP 2000511290 A 20000829; JP 3390021 B2 20030324

DOCDB simple family (application)

CH 9800390 W 19980910; AT 98941206 T 19980910; CA 2271999 A 19980910; DE 69810261 T 19980910; EA 199900455 A 19980910; EP 98941206 A 19980910; ES 98941206 T 19980910; HK 00102421 A 20000420; JP 51488399 A 19980910