

Title (en)

Annual calendar mechanism for timepieces

Title (de)

Jährlicher Kalendermechanismus für Uhren

Title (fr)

Mécanisme de quantième annuel pour pièce d'horlogerie

Publication

**EP 0756217 B1 19990602 (FR)**

Application

**EP 96111363 A 19960715**

Priority

CH 221495 A 19950728

Abstract (en)

[origin: EP0756217A1] The mechanism has a day ring(1) with 31 teeth(2) ,fitted inside the ring, on which numbers 0 -31(3) are placed, and a movable day-ring driver(6) which rotates once every 24 hours. The driver(6) is fitted with a first finger(7) which is driven, step by step by the interior teeth(31) of the ring(1), once a day. The driver (6) controls the date display. In addition the mechanism has an annular crown wheel(8), partially superposed on the date ring(1), which rotates once a year. It has exterior teeth(9) in position corresponding to the 12 months of the year and 5 interior teeth(10) in positions corresponding to 31 day months. The crown wheel(8) is eccentrically arranged with respect to the ring(1) and near to the driver(6) which has a second finger(11). At the end of months of less than 31 days the second finger(11) acts on one of the 5 internal teeth(10) of the wheel(8) so that it is advanced, via a gear system(12,13) fixed to the ring(1) to the first of the following month. A manual correction is required for the month of February.

IPC 1-7

**G04B 19/24**

IPC 8 full level

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CPC (source: EP US)

**G04B 19/2536** (2013.01 - EP US)

Cited by

US6108278A; EP2428855A1; EP0987609A1; US8760975B2

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CH DE FR GB IT LI

DOCDB simple family (publication)

**EP 0756217 A1 19970129; EP 0756217 B1 19990602**; CH 688706 B5 19980731; CH 688706G A3 19980130; CN 1124525 C 20031015; CN 1146021 A 19970326; DE 69602688 D1 19990708; DE 69602688 T2 19991230; HK 1012730 A1 19990806; JP 3902269 B2 20070404; JP H09105783 A 19970422; SG 49970 A1 19980615; US 5699321 A 19971216

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