

Title (en)

CLOCKWORK MOVEMENT WITH DATE AND PHASES OF THE MOON INDICATORS

Publication

**EP 0308793 B1 19910116 (FR)**

Application

**EP 88114996 A 19880914**

Priority

CH 369287 A 19870924

Abstract (en)

[origin: JPH01101492A] PURPOSE: To keep operation within a normal allowance and to miniaturize a watch by constituting a clock movement with a date indicator having 31 gears, a moon phase indicator in one piece with a wheel having 59 gears, and a middle rotary wheel that operates both indicators by rotating by one turn within 24 hours. CONSTITUTION: A time wheel 26 is provided at the center of a movement and the time wheel 26 carries a time clock hand and a wheel 28 with six gears. The wheel 28 is engaged to a middle rotary wheel member 30 and the middle rotary wheel 30 rotates around a stem shaft 32 that is fixed to a bottom plate 10. A date indicator 22 is in one piece with a wheel 34 with 31 gears and they form one ring 35. The ring 35 is mounted to the bottom plate 10 so that it is coaxial to the clock hand and can be rotated around the periphery. A moon phase indicator 24 is fixed to the wheel 36 and the wheel 36 has 59 gears and is mounted so that it can rotate around the time wheel 26.

IPC 1-7

**G04B 19/26**

IPC 8 full level

**G04B 19/253** (2006.01); **G04B 19/26** (2006.01)

CPC (source: EP US)

**G04B 19/268** (2013.01 - EP US)

Cited by

DE3918647A1; EP0479147A1; CH681128GA3; US5367504A; WO2012172008A1; EP0211285B1

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**CH 668884G A3 19890215**; DE 3861576 D1 19910221; EP 0308793 A1 19890329; EP 0308793 B1 19910116; HK 61294 A 19940701; JP H01101492 A 19890419; JP H0634034 B2 19940502; US 4881213 A 19891114

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