

Title (en)
Mechanical timepiece with indicator of weekly cycles

Title (de)
Mechanische Uhr mit Anzeige der Wochenzyklen

Title (fr)
Montre mécanique dotée d'un indicateur de cycles hebdomadaires

Publication
EP 1239419 A1 20020911 (FR)

Application
EP 01810237 A 20010308

Priority
EP 01810237 A 20010308

Abstract (en)
Has an hour counting mechanism (42,46,48,50,62) with display linked to the counter to indicate its contents and which completes a weekly cycle. A clutch mechanism activates the counter by setting in relation to a drive wheel. Watch with casing inside of which is a movement having a time base, a drive wheel driven by the time base and manual correction button (18) acting on the drive wheel. The watch has a time display including a face and at least hour and minute hands driven by the drive wheel. The watch drive has a mobile day indicating sector (24) which effects one turn in a multiple of a week and which is fitted with a mechanical part (60) defining the days of the week during which the counter has been activated. a mobile cam (40) does one turn in 24 hours and is fitted with a mechanical cam (54) which defines the hours during which the counter has been activated. The clutch (44) is controlled by the parts (40,54). The manual control button acts on the cam (54) so as to set the hours during which the counter is activated.

Abstract (fr)
Montre comportant une boîte (10) et, disposés à l'intérieur de celle-ci: un mouvement qui possède une base de temps, un rouage entraîné par la base de temps et de moyens de correction manuelle (18) permettant d'agir sur le rouage, et des moyens d'affichage du temps comprenant un cadran (12) et au moins deux aiguilles (14, 16) entraînées par le rouage et se déplaçant devant le cadran (12) pour indiquer les heures et les minutes. La montre comporte, en outre: des moyens de comptage horaire (42, 48, 50, 46, 62), des moyens complémentaires d'affichage (22), associés aux moyens de comptage horaire pour en indiquer le contenu et agencés pour parcourir un cycle en une semaine, et un embrayage (44) destiné à activer les moyens de comptage horaire en les mettant en relation avec le rouage. <IMAGE>

IPC 1-7
G07C 1/10; **G04F 7/00**

IPC 8 full level
G04F 7/00 (2006.01); **G04F 7/08** (2006.01); **G07C 1/00** (2006.01); **G07C 1/10** (2006.01); **G07C 1/20** (2006.01)

CPC (source: EP US)
G04F 7/00 (2013.01 - EP US); **G07C 1/10** (2013.01 - EP US)

Citation (applicant)
US 3719037 A 19730306 - WILLIAMS D

Citation (search report)
• [XA] US 3581029 A 19710525 - NOILES DOUGLAS G
• [A] US 5793708 A 19980811 - SCHMIDT MARC [CH], et al
• [A] US 4122663 A 19781031 - KOCK BRUCE A
• [A] DE 3117744 C1 19821104 - JAGGI CLAUDE
• [A] DE 2441803 A1 19760318 - SCHLENKER GRUSEN J
• [A] US 4021046 A 19770503 - BARLOW GORDON A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1239419 A1 20020911; DE 60224988 D1 20080327; DE 60224988 T2 20090212; EP 1366471 A1 20031203; EP 1366471 B1 20080213; US 2004081026 A1 20040429; US 7167416 B2 20070123; WO 02071339 A1 20020912

DOCDB simple family (application)
EP 01810237 A 20010308; CH 0200135 W 20020306; DE 60224988 T 20020306; EP 02700097 A 20020306; US 46932403 A 20031224