

Title (en)

Watch in which the back of the case constitutes a frame plate.

Title (de)

Kleinuhr, deren Gehäuserückseite eine Platine bildet.

Title (fr)

Montre dont le fond de la boîte constitue une platine.

Publication

EP 0065016 A1 19821124 (FR)

Application

EP 81103697 A 19810514

Priority

EP 81103697 A 19810514

Abstract (en)

1. Watch the back cover (51) of the case of which carries a middle bezel (62) and constitutes a plate on which are assembled the different elements of the movement, comprising : under the mirror (61) and concentrically to the axis of the hands, a disc (1.2) for the minutes comprising a toothing on its periphery and a minute mark, and a disc (1.1) for the hours comprising a toothing on its periphery and a hour mark, characterized by the fact that the hours disc is fast with a core (1.3) driven by a main spring located between the hour disc and the back cover (51) of the case, this watch comprising further : a toothed ratched crown (1.6), located concentrically and bellow the hour disc (1.1) inside which is fastened the outside portion of the main spring so that it is armed when actuating the ratched crown in one direction of rotation, a finishing gear train driven by the hour disc and located beneath it and one of the wheels of which drives the minute disc on top of its function in the gear train maintaining the oscillations of the balance (9) through the intermediary of the escapement (7), and finally a time setting member permitting to fix the ratchet crown (1.6) to the hour disc (1.1) in order to manually control its displacement during the function of time setting and this, without modifying the amount of winding of the main spring.

Abstract (fr)

Le fond (51) de la boîte supporte une carrure-lunette et constitue une platine. Au centre de celle-ci sont superposés et pivotent concentriquement, respectivement, une couronne-rochet (1.6) à l'intérieur de laquelle est logé un ressort de barillet entraînant une bonde (1.3) solidaire d'un disque des heures (1.1) comprenant une denture sur son pourtour, et un disque des minutes (1.2), transparent, comprenant également une denture sur son pourtour. Ces disques engrènent d'une part avec un train d'engrenage de finissage (2, 3, 4) et, d'autre part, avec un mécanisme de remontage et de mise à l'heure situés tous deux à l'extérieur des disques et au moins partiellement à la même hauteur que ceux-ci.

IPC 1-7

G04B 45/04; **G04B 33/00**; **G04B 29/00**

IPC 8 full level

G04B 27/02 (2006.01); **G04B 29/02** (2006.01); **G04B 45/04** (2006.01)

CPC (source: EP)

G04B 27/02 (2013.01); **G04B 29/02** (2013.01); **G04B 45/04** (2013.01)

Citation (search report)

- [A] FR 2229090 A1 19741206 - EBAUCHES SA [CH]
- [A] FR 1085177 A 19550128
- [A] FR 2461292 A1 19810130 - EBAUCHES SA

Cited by

FR2522421A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0065016 A1 19821124; **EP 0065016 B1 19850724**; DE 3171472 D1 19850829

DOCDB simple family (application)

EP 81103697 A 19810514; DE 3171472 T 19810514