

Title (en)

ALARM CLOCK WITH AN ALARM SIGNAL DEVICE AND AN ADJUSTABLE CONTACT FOR ACTUATING THE LATTER

Publication

**EP 0269684 B1 19900502 (DE)**

Application

**EP 87903678 A 19870617**

Priority

CH 246486 A 19860618

Abstract (en)

[origin: WO8707966A1] Projecting through an opening (2) in a dial (1) is a hub (3) of an entrainment disc (4). Inserted over the end of the hub (3) is an alarm setting hand (6) indicating the alarm time set. One hub (3) is penetrated by an hour tube (7) which is provided with two levelled-off sides (23) for rotationally-secure connection with a sliding wheel (12). A printed circuit (14) is located near to the hour-wheel (8) and has an opening (15) through which extends the hour tube (7). Applied to the printed circuit (14) are two annularly-shaped conductor tracks (17, 18) arranged concentrically to the hour tube (7). Movably located between the sliding wheel (12) and the printed circuit (14) is an alarm setting wheel (13). The sliding wheel (12) is provided with a recess (24) in which is arranged a contact strip (26). The alarm setting wheel (13) is provided with a window (38) arranged over said conductor tracks (17, 18), recesses (35), into each of which projects a protrusion (5) on the entrainment disc (4), and external teeth (34), with which engages a pinion (36) for setting the alarm time. In order to set the alarm time, the free ends of the contact strip (26) pass through the window (38) to impinge on the conductor tracks (17, 18) in order to connect electrically the latter so as to trigger an alarm signal. This enables a simple embodiment to be used for a contact strip, which can be inserted in a fully automatic manner into the alarm clock, and renders subsequent adjustment unnecessary.

IPC 1-7

**G04C 21/20**

IPC 8 full level

**G04C 23/16** (2006.01); **G04C 21/20** (2006.01)

CPC (source: EP US)

**G04C 21/205** (2013.01 - EP US)

Citation (examination)

- CH 1348164 D
- US 3186612 A 19650601 - KERMETT LYLES DOUGLAS

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**WO 8707966 A1 19871230**; EP 0269684 A1 19880608; EP 0269684 B1 19900502; ES 2005893 A6 19890401; JP H0569477 B2 19931001; JP S63501318 A 19880519; US 4922475 A 19900501

DOCDB simple family (application)

**CH 8700069 W 19870617**; EP 87903678 A 19870617; ES 8701788 A 19870617; JP 50349287 A 19870617; US 16232788 A 19880216