

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.

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