

Title (en)
AUTONOMOUS RADIO CLOCK

Publication
EP 0439725 A3 19920115 (DE)

Application
EP 90123145 A 19901204

Priority
DE 4002723 A 19900131

Abstract (en)
[origin: EP0439725A2] A compact autonomous radio clock (11), especially in the form of a small travelling alarm or a wrist watch, is to be designed for the purpose, on the one hand, of ensuring a long operating life in conjunction with a battery of correspondingly compact dimensions and, on the other hand, of supplying a reliable time display even in the event of travels outside the reliable receiving area of a transmitter for coded time telegrams that is set up for a specific geographical time zone. For this purpose, the clock casing (20) is fitted with a multifunction switching device (21) and a decoder (23) assigned thereto, which evaluates the combination of the actual operation of push buttons (22). Thus, this switching device (21) can likewise be used at night to switch over the clock (11) into a power-saving storage state, and once again to switch it back into normal operation. Furthermore, the hours display can be varied by hourly steps in order to take account in the time display of a stay in the time zone adjacent to the transmitter. Beyond the adjacent time zone, that is to say in the case of manual change of the hours display by more than one hour, however, switching on of the receiver (12) is blocked, since the reception of useful time information (14) becomes increasingly unlikely there. Depending on the duration of the operation of a "transmitter call" button (22.2), either the receiver (12) is switched on with the time display switched off in order to supply up-to-date time information temporarily, although the information in the time memory (35) which has been transferred from the internal time-keeping circuit (16) is adopted for display when the receiver (12) does not supply any up-to-date time information (14) within a prescribed time interval; or else the time memory (35) is also reset and restarted from the time-keeping circuit (16). In the latter case, the clock (11) can also be taken into operation outside the reception area of a time-telegram transmitter, whereupon only the hours display is to be set up manually. <IMAGE>

IPC 1-7
G04G 7/02; G04G 1/00

IPC 8 full level
G04G 7/02 (2006.01); **G04G 19/12** (2006.01); **G04G 99/00** (2010.01); **G04R 20/08** (2013.01)

CPC (source: EP US)
G04G 19/12 (2013.01 - EP US); **G04R 20/08** (2013.01 - EP US)

Citation (search report)
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