

Title (en)
ALARM CLOCK

Publication
EP 0513633 A3 19941221 (DE)

Application
EP 92107563 A 19920505

Priority
DE 9106112 U 19910517

Abstract (en)
[origin: EP0513633A2] An alarm clock (11), in particular one driven as a radio alarm clock with an analog display, is intended to be capable of being fitted with an electromechanical signal enabling device (27) which is of small overall size and easy to handle, and whose accuracy of response conforms with the accuracy of display expected from a radio clock, and in any case has a response switching tolerance which is substantially shorter than the conventional cam engagement sensing mechanisms for alarm clocks. This requires interrogation for coincidence with the alarm time angle coding, which is provided by an hours switching dial (28), which displays in an analog fashion in front of the clockface (18) and can be manually rotated, as well as by a minutes switching dial (29) which is driven by the hours switching dial with a transmission ratio of 1:12. The minutes switching dial (29) preferably latches at minute intervals which can be interrogated and are numerically displayed by means of the dial (18) through a frontplate window (75). It is expedient for the conductor path patterns which are to be sensed by the switching dials (28, 29) and are short-circuited in a coding fashion to be constructed on the two mutually opposite surfaces of an insulator carrier (35) which is arranged axially in a stationary fashion between the two switching dials (28, 29). <IMAGE>

IPC 1-7
G04C 21/20

IPC 8 full level
G04C 23/08 (2006.01); **G04C 21/20** (2006.01)

CPC (source: EP US)
G04C 21/205 (2013.01 - EP US)

Citation (search report)
• [A] EP 0343494 A1 19891129 - EBAUCHESFABRIK ETA AG [CH]
• [DA] US 4209969 A 19800701 - CHIMURA KOZO [JP], et al
• [A] DE 3016058 A1 19801106 - SUISSE HORLOGERIE
• [X] PATENT ABSTRACTS OF JAPAN vol. 5, no. 48 (P - 55) 7 April 1981 (1981-04-07)

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EP 0513633 A2 19921119; EP 0513633 A3 19941221; EP 0513633 B1 19960103; DE 59204876 D1 19960215; DE 9106112 U1 19920910; ES 2082268 T3 19960316; JP H05119165 A 19930518; US 5168476 A 19921201

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