

Title (en)

ALARM INTERRUPTING MEANS, IN PARTICULAR FOR ALARM CLOCKS OR TIME SCHEDULING CLOCKS

Publication

**EP 0295456 B1 19910403 (DE)**

Application

**EP 88108105 A 19880520**

Priority

DE 3719087 A 19870606

Abstract (en)

[origin: US4894813A] The invention is directed to an alarm shut-off device for an alarm clock or timer permitting a signal delivered by the clock to be interrupted or to be cancelled in that the user of the clock approaches the clock or merely moves a part of his body, for example, his hand, towards the clock. Preferably, the clock is equipped with a transmitter 2, 2' emitting infrared radiation or ultrasonic waves and a corresponding receiver 3, 3' which detects the infrared radiation or the ultrasonic waves reflected by the moved body part 1. A signal shaping network 4, 5 and 6 determines the variation of the intensity with time, which variation is compared in a threshold switching stage 7 with a predeterminable value which, when exceeded, causes the alarm signal A to be shut off.

IPC 1-7

**G04G 1/00; G04G 13/02**

IPC 8 full level

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CPC (source: EP KR US)

**G04C 21/16** (2013.01 - KR); **G04G 13/021** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

**US 4894813 A 19900116**; AT E62350 T1 19910415; DE 3719087 C1 19880908; DE 3719087 C2 19931118; DE 3862244 D1 19910508; EP 0295456 A1 19881221; EP 0295456 B1 19910403; ES 2021410 B3 19911101; HK 57192 A 19920807; JP H078798 U 19950207; JP H084638 Y2 19960207; JP S63313090 A 19881221; KR 890000878 A 19890317; KR 910004438 B1 19910627; SG 56992 G 19930219

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