

Title (en)

ALARM DEVICE, IN PARTICULAR FOR AN ALARM CLOCK OR DIARY

Publication

EP 0152823 B1 19871111 (DE)

Application

EP 85100920 A 19850130

Priority

DE 3404252 A 19840207

Abstract (en)

[origin: US4670864A] An alarm device especially suitable for alarm clocks or timers is described, whose alarm signal can either be interrupted for a certain period of time or shut off by an acoustic signal, for example that formed by the human voice. As a result of its low power consumption, the alarm device according to the invention can also be used in battery-powered devices; when installed in an alarm clock or timer, inexpensive mass production is also made possible by using already existing integrated circuits. The alarm device according to the invention is functional even when the acoustic signal produced by the user is only of very short duration or when the alarm signal is delivered as a continuous tone. Advantageously, the alarm device can also be so designed that it delivers an alarm signal at least for a short time when someone is speaking when the alarm signal is triggered and other noises with frequencies outside the frequency range of fundamental tone of the human voice interrupt or shut off the alarm signal.

IPC 1-7

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

IPC 8 full level

G04C 21/16 (2006.01); **G04C 21/36** (2006.01); **G04G 1/00** (2006.01); **G04G 1/08** (2006.01); **G04G 13/02** (2006.01); **G04G 21/06** (2010.01); **G04G 99/00** (2010.01)

CPC (source: EP US)

G04G 13/02 (2013.01 - EP US); **G04G 21/06** (2013.01 - EP US)

Cited by

EP0295456A1; EP0738943A1; US5760691A

Designated contracting state (EPC)

AT BE CH FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0152823 A2 19850828; **EP 0152823 A3 19851016**; **EP 0152823 B1 19871111**; AT E30791 T1 19871115; CA 1234906 A 19880405; DE 3404252 A1 19850814; DE 3404252 C2 19860109; HK 64689 A 19890818; JP H0357437 B2 19910902; JP S60170787 A 19850904; SG 25989 G 19900126; US 4670864 A 19870602

DOCDB simple family (application)

EP 85100920 A 19850130; AT 85100920 T 19850130; CA 473612 A 19850205; DE 3404252 A 19840207; HK 64689 A 19890810; JP 1114185 A 19850125; SG 25989 A 19890418; US 69737385 A 19850201