

Title (en)  
Audio alarm device

Title (de)  
Audioalarmeinheit

Title (fr)  
Dispositif d'alarme audio

Publication  
**EP 1494186 A1 20050105 (EN)**

Application  
**EP 03014949 A 20030701**

Priority  
EP 03014949 A 20030701

Abstract (en)

At a method for providing predefined audio signals in response to a detected condition, said audio signals stored in a memory [10], said apparatus comprising a microcontroller [12] and audio output means, said memory [10] comprising said audio signals stored in digital form, and said microcontroller [12] comprising a processor and on-chip peripheral [26] it is intended to receive at said processor detector signals indicating a changed condition, to select from said memory [10] an appropriate audio signal associated with said changed condition, to retrieve a delta modulation of said audio signal from said memory [10], to set a duty cycle for a pulse width modulator by a time unit [30], said modulator [28] and time unit [30] being integral on said on-chip peripheral [26], to modulate said audio signal by said modulator [28] so as to produce a digital representation of said audio signal, to transmit said digital representation to a buffer [34] integrated on said on-chip peripheral [26], and to transmit said digital representation to said audio output means for analog reproduction [24] of said audio signal.

IPC 1-7  
**G08B 3/10**

IPC 8 full level  
**G08B 3/10** (2006.01)

CPC (source: EP)  
**G08B 3/10** (2013.01)

Citation (search report)

- [Y] US 5245694 A 19930914 - ZWERN ARTHUR L [US]
- [Y] US 6163214 A 20001219 - LAM PETER AR-FU [US]
- [Y] US 6335691 B1 20020101 - BIRD DARRELL [US]

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
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