

Title (en)
Method to control a buzzer

Title (de)
Steuerungsverfahren für einen Summer

Title (fr)
Procédé de commande d'un buzzer

Publication
EP 0781071 A1 19970625 (FR)

Application
EP 96402857 A 19961220

Priority
FR 9515377 A 19951222

Abstract (en)
The buzzer control process involves applying a signal from the sensor (1) to a passband filter (30) which includes a synchronous detector and is tuned to the excitation frequency of the buzzer (5). The sweep is continued until a certain threshold is exceeded and the frequency of excitation is determined digitally. The sensor may be the microphone of a telephone and is also used to determine the range of frequencies of the background noise so that the frequency range of the excitation may be chosen outside the noise spectrum. A comparator (32) compares a previously memorised (31) signal with the incoming signal and provides a signal representing the difference in signal level to a calculator (33) which adjusts a control (34) and oscillator (35).

Abstract (fr)
Le procédé de commande d'un buzzer (5), consiste à appliquer au buzzer une excitation à une fréquence déterminée, et on réinjecte (6) le signal acoustique, produit par le buzzer, dans un capteur acoustique (1) commandant la fréquence de ladite excitation, on détecte le niveau du signal réinjecté et on effectue un balayage en fréquence de l'excitation jusqu'à obtention d'un maximum de niveau de signal. Application aux postes de téléphonie mobile. <IMAGE>

IPC 1-7
H04R 3/00

IPC 8 full level
B06B 1/02 (2006.01); **G08B 3/10** (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP)
B06B 1/0269 (2013.01); **G08B 3/10** (2013.01); **H04R 3/00** (2013.01)

Citation (search report)
• [Y] DE 4021787 A1 19920116 - TELEFUNKEN ELECTRONIC GMBH [DE]
• [YA] GB 2084783 A 19820415 - PRODUCTION ENG RES
• [A] US 4076968 A 19780228 - WATTENBARGER BLAKE LANE
• [YA] PATENT ABSTRACTS OF JAPAN vol. 18, no. 407 (E - 1586) 29 July 1994 (1994-07-29)

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Designated contracting state (EPC)
BE DE DK FI FR GB LU NL SE

DOCDB simple family (publication)
EP 0781071 A1 19970625; FR 2742953 A1 19970627; FR 2742953 B1 19980123

DOCDB simple family (application)
EP 96402857 A 19961220; FR 9515377 A 19951222