

Title (en)

Driving circuit for a soundpulse source

Title (de)

Ansteuerschaltung für eine Impulsschallquelle

Title (fr)

Circuit de commande pour une souce d'impulsion sonore

Publication

EP 0702350 A3 19981230 (DE)

Application

EP 95112715 A 19950811

Priority

DE 4433224 A 19940917

Abstract (en)

[origin: EP0702350A2] The control circuit has a charging stage for charging a capacitor (2) and a discharge stage in parallel with the latter, containing at least one HV switch (4) and the pulsed sound source (1). The discharge stage has a limiting circuit, for limiting the time duration of the electrical oscillation exhibited by the pulsed sound source, in response to the stored charge transferred from the capacitor upon closure of the switch. Pref. the limiting circuit is provided by a short-circuit loop (7, 8, 9) in parallel with the capacitor and the pulsed sound source, containing a second HV switch (7), with a trigger circuit for the switch operated after the limited time duration.

IPC 1-7

G10K 15/06

IPC 8 full level

A61B 17/225 (2006.01); **B06B 1/02** (2006.01); **G10K 15/06** (2006.01)

CPC (source: EP)

B06B 1/0215 (2013.01); **G10K 15/06** (2013.01); **B06B 2201/30** (2013.01)

Citation (search report)

- [X] DE 4307669 A1 19940915 - WOLF GMBH RICHARD [DE]
- [X] US 3982425 A 19760928 - MCLAIN ROBERT E
- [X] US 4134302 A 19790116 - MATAY ISTVAN M
- [A] GB 2001438 A 19790131 - MANNESMANN AG, et al
- [A] DE 4000884 A1 19910718 - WOLF GMBH RICHARD [DE]
- [A] DE 3146627 A1 19830601 - DORNIER SYSTEM GMBH [DE]
- [A] DE 8715901 U1 19890330

Cited by

CN114376609A

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0702350 A2 19960320; EP 0702350 A3 19981230; DE 4433224 C1 19960328

DOCDB simple family (application)

EP 95112715 A 19950811; DE 4433224 A 19940917