

Title (en)
Electric primer.

Title (de)
Elektrisches Zündmittel.

Title (fr)
Amorce électrique.

Publication
EP 0142780 A1 19850529 (DE)

Application
EP 84113464 A 19841108

Priority
DE 3340461 A 19831109

Abstract (en)

[origin: ES8601458A1] The detonator has a housing (4) containing a pole piece (3,3') insulated from the housing (4) via an insulation pad (5) and a detonation resistance electrically coupled to the housing (4) and the pole piece (3,3'). The insulation pad (5) has a conductive coating on each side, respectively in contact with the housing (4) and the pole piece (3,3') for preventing discharges. - A relatively high ohmic coupling is provided in parallel with the detonation resistance across the housing (4) and the pole piece (3,3'). The coupling may be provided by forming perforations in the insulation pad (5) in which a plastics material incorporating an electrically conductive substance can be suspended. DEAB- DE3440660 C The electrical ignition device consists of a housing, a polepiece electrically insulated from the housing by an insulating dish, and an ignition impedance connected electrically conducting to the housing the the polepiece. A purposive electrical shunt is arranged parallel to the ignition impedance between the housing and the polepiece with the insulating dish provided with a high impedance, relative to the ignition impedance, electrically conducting coating, which lies against the housing and the polepiece. - The material of the insulation dish is coated using a soln. of a plastic contg. suspended electrically conducting substances after a perforation for the contacting of the polepiece from the outside and opt. other perforations have been made in the dish. The amount of electrically conducting substances is 20-100 wt.% referred to plastic. The resistance of the high impedance, electrically conducting ignition impedance is 0.2 kilo ohm to 1 megaohm. The plastic is polystyrene, polyvinylbutyral, and acrylic resin or a polyester, the solvent is a 1-4C) alkyl acetate or a 1-4C alcohol and the conducting substance is C black or graphite.

[origin: ES8601458A1] The detonator has a housing (4) containing a pole piece (3,3') insulated from the housing (4) via an insulation pad (5) and a detonation resistance electrically coupled to the housing (4) and the pole piece (3,3'). The insulation pad (5) has a conductive coating on each side, respectively in contact with the housing (4) and the pole piece (3,3') for preventing discharges. - A relatively high ohmic coupling is provided in parallel with the detonation resistance across the housing (4) and the pole piece (3,3'). The coupling may be provided by forming perforations in the insulation pad (5) in which a plastics material incorporating an electrically conductive substance can be suspended. DEAB- DE3440660 C The electrical ignition device consists of a housing, a polepiece electrically insulated from the housing by an insulating dish, and an ignition impedance connected electrically conducting to the housing the the polepiece. A purposive electrical shunt is arranged parallel to the ignition impedance between the housing and the polepiece with the insulating dish provided with a high impedance, relative to the ignition impedance, electrically conducting coating, which lies against the housing and the polepiece. - The material of the insulation dish is coated using a soln. of a plastic contg. suspended electrically conducting substances after a perforation for the contacting of the polepiece from the outside and opt. other perforations have been made in the dish. The amount of electrically conducting substances is 20-100 wt.% referred to plastic. The resistance of the high impedance, electrically conducting ignition impedance is 0.2 kilo ohm to 1 megaohm. The plastic is polystyrene, polyvinylbutyral, and acrylic resin or a polyester, the solvent is a 1-4C) alkyl acetate or a 1-4C alcohol and the conducting substance is C black or graphite.

Abstract (de)

Die Erfindung betrifft ein elektrisches Zündmittel mit einem Gehäuse (4) und einem gegenüber diesem mittels eines Isoliernapfchens (5) elektrisch isolierten Polstück (3, 3') sowie einem mit dem Gehäuse (4) und dem Polstück (3, 3') elektrisch leitend verbundenen Zündwiderstand. Zur Vermeidung von unerwünschten Aufladungen auf dem Isoliernapfchen (5), welche die Ursache von Fehlauflösungen sein können, ist dem Isoliernapfchen (5) eine elektrisch leitfähige Beschichtung zugeordnet, die am Gehäuse (4) und am Polstück (3, 3') anliegt.

IPC 1-7
F42C 19/12

IPC 8 full level
F42C 19/12 (2006.01)

CPC (source: EP US)
F42C 19/12 (2013.01 - EP US)

Citation (search report)

- [X] DE 960787 C 19570328 - WASAGCHEMIE AG
- [Y] US 4206707 A 19800610 - SHORES MARVIN W [US]
- [A] FR 1600106 A 19700720

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0142780 A1 19850529; EP 0142780 B1 19880622; AT E35315 T1 19880715; CA 1261676 A 19890926; DE 3472295 D1 19880728; ES 537505 A0 19851016; ES 8601458 A1 19851016; US 4644863 A 19870224

DOCDB simple family (application)
EP 84113464 A 19841108; AT 84113464 T 19841108; CA 467524 A 19841109; DE 3472295 T 19841108; ES 537505 A 19841108; US 66979884 A 19841109