

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 shuntis 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.

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Abstract (de)

Die Erfindung betrifft ein elektrisches Zündmittel mit einem Gehäuse (4) und einem gegenüber diesem mittels eines Isoliernäpfchens (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 Isoliernäpfchen (5), welche die Ursache von Fehlauflösungen sein können, ist dem Isoliernäpfchen (5) eine elektrisch leitfähige Beschichtung zugeordnet, die am Gehäuse (4) und am Polstück (3, 3') anliegt.

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- [Y] US 4206707 A 19800610 - SHORES MARVIN W [US]
- [A] FR 1600106 A 19700720

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