

Title (en)

Device for the inductive ignition of ammunition propellant charges.

Title (de)

Vorrichtung zum induktiven Zünden der Treibladung von Munitionen.

Title (fr)

Dispositif pour l'allumage par induction de charges propulsives pour munition.

Publication

**EP 0447757 B1 19950315 (DE)**

Application

**EP 91100941 A 19910125**

Priority

DE 4004848 A 19900216

Abstract (en)

[origin: EP0447757A2] A device for the inductive ignition of the propellant charge of propelled bodies and shells, especially in a propellant system for smoke candles, explosive bodies and the like. Said system consists of a firing device having a firing cup (1) to which a firing tube (6) can be connected, into which propelled bodies (7) can be inserted. The ignition pellet (8), arranged in the firing tube (6), is electrically connected to an ignition coil (10) which is located in a recess (6.3) in the base piece (6.1) of the firing tube (6). Projecting into the interior of the ignition coil (10) is a permanent magnet (5) which is mounted on the drive shaft (2.1) of a DC electric motor (2) which is arranged in the firing cup (1) and whose supply current is controlled by an externally arranged ignition device. When the electric motor (2) is switched on, the permanent magnet (5) is displaced in rotation and induces the ignition current for the ignition pellet (8) in the ignition coil (10). The firing device may also contain devices (3, 12) for identifying the type of propelled body and devices (13, 4) for identifying firing. <IMAGE>

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