

Title (en)

CARTRIDGE WITH SAFETY FUSE IN THE DRIVE SYSTEM, AND METHOD FOR PRODUCING IT

Title (de)

PATRONE MIT SCHMELZSICHERUNG IM ANTRIEBSSYSTEM UND VERFAHREN ZU IHRER HERSTELLUNG

Title (fr)

CARTOUCHE AVEC FUSIBLE DANS LE SYSTÈME DE PROPULSION ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

**EP 15717885 A 20150421**

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Abstract (en)

[origin: WO2015165780A1] The invention relates to a cartridge with a drive system (1) and a projectile which is connected to the drive system (1), wherein the drive system (1) comprises a propellant case (3) which is filled with a propellant (2) and has a case bottom (4) which contains a substantially axially extending case bottom opening (5) with a preferably T-shaped edge contour, and wherein the case bottom opening (5) is closed by a plug (6) which is of T-shaped configuration, receives an ignition cap (9) and is held in said position by a safety fuse ring (13) of a rupture disc. In order to make it possible that the cartridge can be assembled in a simple way and, in the case of firing, damage of the safety fuse ring (13) is reliably avoided, the invention proposes to arrange the safety fuse ring (13) between the front side (10) of the head part (7) of the plug (6) and the rear side (11) of an adjoining inner-side projection (12) of the case bottom (4), with the result that the propellant chamber is delimited by the front surface of the plug neck (8). Moreover, the inner edge (19) of the safety fuse ring (13) engages in a positively locking and/or non-positive manner into an outer groove-shaped recess (15) of the plug (6), and the outer edge (20) of the safety fuse ring (13) engages in a positively locking and/or non-positive manner into an inner groove-shaped recess (16) of the case bottom (4).

IPC 8 full level

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