

Title (en)

CARTRIDGED AMMUNITION, ESPECIALLY OF MIDDLE CALIBER

Title (de)

PATRONENMUNITION, INSBESONDERE MIT MITTLEREM KALIBER

Title (fr)

MUNITION ENCARTOUCHEE, NOTAMMENT DE CALIBRE MOYEN

Publication

EP 1735584 B1 20101229 (DE)

Application

EP 05746318 A 20050408

Priority

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Abstract (en)

[origin: WO2005098348A1] Disclosed is a piece of cartridge ammunition, particularly blank ammunition, comprising a cartridge shell (3) and a projectile (2) that is inserted therein. A propellant chamber that accommodates a propellant charge (5) is provided in the cartridge shell. The propellant charge (5) is ignited by a pyrotechnic ignition device (13) and develops propellants which act upon the bottom (8) of the projectile and propel the same out of the cartridge shell. In order to prevent the pyrotechnic ignition device and thus also the propellant charge (5) from igniting and the cartridge shell and the projectile from being torn apart and being projected in case of high ambient temperatures, particularly during a fire, relief ducts (14) which are filled with a meltable material, especially a meltable metal (15), are provided between the propellant chamber and the exterior of the cartridge shell (3). The meltable material has a lower melting point than the ignition temperature of the ignition device (13) and the propellant charge (5). If the ambient temperature of the cartridge shell rises above the melting temperature of the meltable material, said meltable material melts and unblocks the relief ducts (14) such that the propellant charge burns without pressure building up when the propellant charge is ignited later on while the cartridge shell and the projectile remain interconnected.

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