

Title (en)
Ammunition cartridge

Title (de)
Patrone

Title (fr)
Cartouche de munition

Publication
EP 1148314 A3 20020327 (DE)

Application
EP 01105852 A 20010309

Priority
DE 10020020 A 20000422

Abstract (en)
[origin: EP1148314A2] An electrothermally-ignited cartridge with a difficultly-ignitable main powder propellant charge (4) has tubes (14-16) of an optically transparent second charge running axially through charge (4) and surrounding electrically conductive wires (11-13). A cartridge (1) with electrothermal ignition has: (i) a casing (5) at least partly filled with a first powder propellant charge (4) and fitted with a base (6); (ii) a high-voltage electrode (9) is fitted to the base (6); (ii) an electrode (9) connected inside casing (5) to electrical conducting wires (11-13) running axially through the powder charge (4) to a contact (18) at the far end of casing (5); (iii) wires (11-13) running at least in part through tubes (14-16) consisting of a second powder charge; and (iv) the second powder charge optically transparent.

IPC 1-7
F42B 5/08

IPC 8 full level
F42B 5/08 (2006.01)

CPC (source: EP US)
F42B 5/08 (2013.01 - EP US); **F42C 19/0834** (2013.01 - EP US)

Citation (search report)
• [A] DE 19834058 A1 20000210 - RHEINMETALL W & M GMBH [DE], et al
• [PA] GB 2349940 A 20001115 - TZN FORSCHUNG & ENTWICKLUNG [DE]
• [A] WO 0017598 A2 20000330 - UNITED DEFENSE LP [US]
• [A] US 5231242 A 19930727 - CHRYSSOMALLIS GEORGE S [US], et al
• [A] US 5287791 A 19940222 - CHABOKI AMIR [US], et al

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
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