

Title (en)

COMPRESSED GAS AMMUNITION FOR SMALL ARMS

Publication

EP 0157468 A3 19870114 (EN)

Application

EP 85300338 A 19850117

Priority

GB 8403875 A 19840214

Abstract (en)

[origin: EP0157468A2] A round of ammunition comprising a missile (10), retaining means (11) for holding the missile, and a cartridge (12); and the cartridge (12) is an assembly comprising a hollow casing (13) within an intermediate portion of which is a gas storage space (18) disposed between a hollow discharge (front) end portion (14) and a base (rear) end portion (20) of the casing, discharge valve means (30) and actuating means (60). The actuating means generally comprises servo-piston means (61), servo actuating means (62) and discharge valve actuating means (63) arranged so that the means (62) is responsive to being struck by a firing pin (43) of a gun to allow the piston means (61) to utilise energy from compressed gas stored in the space to open the discharge valve means, and thus release the gas to expel the missile (10) from the retaining means. A shock absorber insert (400) is provided to cushion the end of the valve opening movement of the servo-piston (61).

IPC 1-7

F42B 5/16; **F41B 11/06**

IPC 8 full level

F41B 11/62 (2013.01); **F42B 6/10** (2006.01)

CPC (source: EP)

F41B 11/62 (2013.01); **F41B 11/723** (2013.01); **F42B 6/10** (2013.01)

Citation (search report)

- EP 0100612 A2 19840215 - HILVENNA LTD [GB]
- GB 1601917 A 19811104 - HILVENNA LTD
- GB 2044896 A 19801022 - HILVENNA LTD

Cited by

AU597070B2; CN113606033A; WO2024098057A1

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