

Title (en)
AMMUNITION CONTAINER FOR AN AUTOMATIC LOADING MECHANISM

Publication
EP 0157111 B1 19870513 (DE)

Application
EP 85101124 A 19850204

Priority
DE 3409018 A 19840313

Abstract (en)
[origin: ES8607528A1] An automatic loading arrangement of a gun barrel weapon. An ammunition holder is provided having a portion which is adapted to be pivotally connected to another ammunition holder and so on to form a band magazine, for the purpose of holding thin-walled cartridged ammunition units, preferably tank and armored vehicle ammunition having a combustible casing, which ammunition can be transported and guided to a loading tray or chamber without being damaged by outside influences, for example travel shocks, vibrations, etc. The ammunition holder has a semi-circular arcuately shaped tray adapted to conform with the shape of the cartridged ammunition, which tray has a small inner diameter region to matingly receive the projectile head and a relatively larger inner diameter region adapted to matingly receive the cartridge bottom. Pivotaly mounted holding clamps are mounted in the small and large inner diameter regions so as to encompass the ammunition at a longitudinal side thereof, which holding clamps includes corresponding opening and closing mechanisms which are adapted to be connected to each other via formlocking means. The formlocking means coact with the opening and closing mechanism and an ammunition expeller for purposes to provide, on the one hand, a uniform joint opening of the holding clamps and an ammunition sparing unloading process, as well as, on the other hand, a mutual independent reverse stroke of the holding clamps so that the thin-walled cartridged ammunition can be held in a soft-locking safety position in the ammunition holder in a radial play-free manner when exterior disturbing influences occur.

IPC 1-7
F41D 10/22; **F41F 9/06**

IPC 8 full level
F42B 39/00 (2006.01); **F41A 9/00** (2006.01); **F41A 9/04** (2006.01); **F41A 9/29** (2006.01); **F41A 9/76** (2006.01)

CPC (source: EP US)
F41A 9/04 (2013.01 - EP US); **F41A 9/76** (2013.01 - EP US)

Cited by
FR2743413A1; FR2619207A1; EP0783094A1; FR2743411A1; US5837923A

Designated contracting state (EPC)
CH DE FR GB LI SE

DOCDB simple family (publication)
EP 0157111 A1 19851009; **EP 0157111 B1 19870513**; DE 3409018 A1 19850926; DE 3560174 D1 19870619; ES 540368 A0 19860601; ES 8607528 A1 19860601; JP S60205200 A 19851016; US 4619181 A 19861028

DOCDB simple family (application)
EP 85101124 A 19850204; DE 3409018 A 19840313; DE 3560174 T 19850204; ES 540368 A 19850213; JP 4669285 A 19850311; US 71139485 A 19850313