

Title (en)
TURRET SYSTEM FOR LIGHTWEIGHT MILITARY VEHICLE

Publication
EP 0149639 B1 19881005 (EN)

Application
EP 84902646 A 19840621

Priority
US 50680283 A 19830622

Abstract (en)
[origin: WO8500217A1] A lightweight military vehicle (12) is provided with an unmanned turret (10) for interchangeably supporting large weapon (14) stations. Elastomer (48) filled stanchions (32-38) connected to a turret platform (30) serve to isolate weapon (14) impulse forces from the vehicle (12) frame. Driver, commander and gunner seats (16, 18, 20) are located externally to the turret (10) and provided with side doors (22-28) to enable quick exiting. Both powered (70) and manual (98) backup drives are external to the rotating turret disk (76) and are accessible from the gunner's seat. The elevation drive employs a ball and socket joint (68) connecting an upper yoke (64) mounted to the weapon (14) with a fixed lower portion (66) controlling vertical movement of the yoke (64) and thereby the elevation of the gun (14).

IPC 1-7
F41D 11/26; F41F 21/02; F41F 21/04; F41F 23/06; F41F 23/10; F41G 3/02; F41H 7/12

IPC 8 full level
F41A 23/34 (2006.01); **F41A 25/00** (2006.01); **F41A 27/18** (2006.01); **F41A 27/00** (2006.01)

CPC (source: EP)
F41A 23/34 (2013.01); **F41A 25/00** (2013.01); **F41A 27/18** (2013.01)

Cited by
DE19951915A1; DE102008038603C5; DE102005061517A1; DE102005061517B4; EP1096218A2; US6571678B1; US6715397B2

Designated contracting state (EPC)
DE FR GB SE

DOCDB simple family (publication)
WO 8500217 A1 19850117; BR 8406924 A 19850604; CA 1229252 A 19871117; DE 3474475 D1 19881110; EP 0149639 A1 19850731; EP 0149639 A4 19860318; EP 0149639 B1 19881005; ES 533676 A0 19851201; ES 543670 A0 19861016; ES 8603070 A1 19851201; ES 8700751 A1 19861016; IT 1176300 B 19870818; IT 8421578 A0 19840622; JP S60501621 A 19850926; NO 850716 L 19850222

DOCDB simple family (application)
US 8400943 W 19840621; BR 8406924 A 19840621; CA 457224 A 19840622; DE 3474475 T 19840621; EP 84902646 A 19840621; ES 533676 A 19840622; ES 543670 A 19850530; IT 2157884 A 19840622; JP 50264084 A 19840621; NO 850716 A 19850222