

Title (en)
TURRET SYSTEM FOR LIGHTWEIGHT MILITARY VEHICLE.

Title (de)
TURMANLAGE FÜR LEICHTE MILITÄRFAHRZEUGE.

Title (fr)
SYSTEME DE TOURELLE POUR VEHICULE MILITAIRE LEGER.

Publication
EP 0149639 A4 19860318 (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).

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CPC (source: EP)
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Citation (search report)

- DE 1012221 B 19570711 - RUF WALTER
- US 2206065 A 19400702 - TRIMBACH CLEM G, et al
- US 3348451 A 19671024 - GILBERT VICKERS ROY
- DE 2240569 B1 19740103
- See also references of WO 8500217A1

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

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