

Title (en)

Mechanic system for reproducing an angular position.

Title (de)

Mechanisches System zum Nachführen einer Winkellage.

Title (fr)

Système mécanique de recopie d'une position angulaire.

Publication

EP 0350396 A1 19900110 (FR)

Application

EP 89401921 A 19890705

Priority

FR 8809200 A 19880707

Abstract (en)

[origin: US4970938A] A mechanical servosystem for connecting the pivoting weapon support to an optical aiming device such that the optical sighting axis remain in alignment with the elevation of the weapon is described. A motion input mechanism is connected to the pivoting weapons mounting. The optical device is connected to a mechanical motion output mechanism which, in turn, is connected to the motion input mechanism via a flexible motion transmission device. A linkage interconnects the weapon mounting with the motion input mechanism such that any elevational movement of the weapon is automatically transferred to the optical aiming device to maintain the alignment of the optical axis with the weapon.

Abstract (fr)

L'invention a pour objet un système mécanique de recopie de la position angulaire en site d'une arme (3) sur la lunette de visée (4). Le dispositif comporte un boîtier de prise de mouvement (5) disposé près du tourillon de l'arme et transmettant ledit mouvement en site de l'arme au moyen d'un organe de transmission souple (6) à un boîtier de recopie (7) assurant le mouvement de l'axe optique de la lunette. Application aux tourelles et tourelleaux d'engins blindés possédant une arme en superstructure.

IPC 1-7

F41G 1/38

IPC 8 full level

F41G 1/38 (2006.01); **F41G 1/393** (2006.01)

CPC (source: EP US)

F41G 1/3935 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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EP 0350396 A1 19900110; EP 0350396 B1 19930407; AT E88007 T1 19930415; CA 1335419 C 19950502; DE 68905872 D1 19930513; DE 68905872 T2 19930819; ES 2039896 T3 19931001; FR 2634011 A1 19900112; FR 2634011 B1 19910419; US 4970938 A 19901120

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EP 89401921 A 19890705; AT 89401921 T 19890705; CA 605086 A 19890707; DE 68905872 T 19890705; ES 89401921 T 19890705; FR 8809200 A 19880707; US 37591289 A 19890706