

Title (en)

EQUILIBRATOR FOR A GUN MOUNTING, IN PARTICULAR A HEAVY GUN MOUNTING

Publication

EP 0416355 A3 19920318 (DE)

Application

EP 90115894 A 19900820

Priority

DE 3929550 A 19890906

Abstract (en)

[origin: EP0416355A2] An equilibrator for a gun mounting, in particular a heavy-gun mounting, having a part (1) which is pivotable in the elevation direction and carries the barrel and which is mounted in a fixed stand (2) via a trunnion (1.1). The equilibrator possesses a torsion-bar spring (4) which is arranged parallel to the axis of rotation of the trunnion (1.1) in front of the trunnion in the firing direction and underneath the pivotable part (1) of the gun and the first end (4.0) of which is connected fixedly in terms of rotation to the stand, whilst the second end (4.1) is connected to the pivotable part (1) of the gun via a lever mechanism (4.2) containing a spring strut (5). By an appropriate design of the lever mechanism (4.2) and of the spring strut (5), the torque counteracting the unbalance moment can be varied and therefore the characteristic of the equilibrator adapted to the unbalance curve of the gun elevation. <IMAGE>

IPC 1-7

F41A 27/30

IPC 8 full level

F41A 27/30 (2006.01)

CPC (source: EP US)

F41A 27/30 (2013.01 - EP US)

Citation (search report)

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