Title (en)

LOCKING OF A GUN DURING THE LOADING PROCESS

Publication

EP 0086257 B1 19870121 (DE)

Application

EP 82109812 A 19821023

Priority

DE 3204721 A 19820211

Abstract (en)

[origin: US4508007A] A weapon having a gun barrel and a gun elevating mechanism and a gun traversing mechanism respectively operatively connected to said gun barrel. A separate fully automatic loading mechanism also is operatively connected to said gun barrel. This gun barrel is to be maintained during the loading process by the gun elevating mechanism into an index position which is continuously attainable in the same short time period. This object is achieved by having the gun elevating and gun traversing mechanisms provided with a common locking arrangement whereby the gun barrel disposed in the gun elevating mechanism is precisely held in an index position during loading. The locking is effected by means of a drive and brake unit which is mounted on the gun traversing mechanism. A claw is rotated by the brake and drive unit and is adapted to selectively clamp a bolt secured to the gun barrel when it is in a position corresponding to the required index position for loading. At the termination of the loading process and return-rotation of the claw into its starting position jointly with the gun elevating mechanism the bolt, and consequently the gun barrel, is swingable over a predetermined angular range about the trunnion axis of the gun cradle of the weapon.

IPC 1-7

F41F 9/06; F41F 9/00

IPC 8 full level

F41A 27/12 (2006.01)

CPC (source: EP US)

F41A 27/12 (2013.01 - EP US)

Citation (examination)

DE 1938681 B2 19730208

Cited by

FR3091753A1; KR20210126567A; AU2020210115B2; WO2020148614A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0086257 A2 19830824; **EP 0086257 A3 19840905**; **EP 0086257 B1 19870121**; DE 3204721 A1 19830818; DE 3275231 D1 19870226; US 4508007 A 19850402

DOCDB simple family (application)

EP 82109812 A 19821023; DE 3204721 A 19820211; DE 3275231 T 19821023; US 45968883 A 19830120