

Title (en)
SLIDING-WEDGE BREECH LOCK MECHANISM

Publication
EP 0090917 B1 19860409 (DE)

Application
EP 83101007 A 19830203

Priority
DE 3212522 A 19820403

Abstract (en)
[origin: ES8401245A1] A large-caliber gun has a breech support, a breech block movable relative thereto between open and closed positions, and a shaft centered on an axis and rotatable therabout in the support. Link mechanism connects the shaft and the breech block for angularly displacing the shaft between first and second positions respectively corresponding to the open and closed breech positions. A crank is fixed on the shaft. A lever pivotal about the axis between first and second positions has an abutment engageable angularly in only one direction with the crank. The shaft and crank are angularly displaceable independently of the lever. The lever can be pivoted from its second to its first position to similarly pivot the crank and shaft and displace the breech block into the open position. A spring-loaded biasing unit is connected between the lever and the crank and urges the crank angularly back against the abutment of the lever. Thus when the crank and shaft are moved by gun recoil from their second to their first position the biasing means is stressed, while the lever remains in its first position.

IPC 1-7
F41F 11/02

IPC 8 full level
F41A 3/30 (2006.01); **F41A 3/02** (2006.01)

CPC (source: EP US)
F41A 3/02 (2013.01 - EP US)

Cited by
EP0687881B1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0090917 A2 19831012; EP 0090917 A3 19840404; EP 0090917 B1 19860409; DE 3212522 A1 19831013; DE 3362862 D1 19860515; ES 520519 A0 19831216; ES 8401245 A1 19831216; JP S58213199 A 19831212; US 4569269 A 19860211

DOCDB simple family (application)
EP 83101007 A 19830203; DE 3212522 A 19820403; DE 3362862 T 19830203; ES 520519 A 19830311; JP 4730883 A 19830323; US 48163983 A 19830404