

Title (en)

Loading mechanism for guns, especially armoured howitzers.

Title (de)

Vorrichtung zum Laden von Rohrwaffen, insbesondere von Panzerhaubitzen.

Title (fr)

Mécanisme de chargement pour canons, notamment pour obusiers blindés.

Publication

EP 0450373 B1 19940202 (DE)

Application

EP 91104084 A 19910316

Priority

DE 4010845 A 19900404

Abstract (en)

[origin: EP0450373A1] A loading mechanism for guns having a propellant-charge space consists of a loading arm (8), mounted pivotably on the pivot bearing (6) of the barrel, with a loading shell (13) for a projectile (4), and of a feed device engaging on the bottom of the projectile and having a drive, the projectile being capable of being brought by means of the loading arm into an initial position aligned with the core axis of the barrel and being transported into the barrel and rammed into its riflings by means of the feed device. To allow a perfect feed, the loading shell is movable in a guide on the loading arm between the initial position (4') and an advanced position (4'') centred on the barrel, and the feed device has a stay which is contracted in the initial position and engages on the bottom of the projectile and which can be brought, in synchronism with the movement of the loading shell into the advanced position, into an extended position and, in this, can be displaced by means of the drive relative to the loading shell in a guide right into the barrel, with the projectile being accelerated at the same time. <IMAGE>

IPC 1-7

F41A 9/16; **F41A 9/42**

IPC 8 full level

F41A 9/16 (2006.01); **F41A 9/42** (2006.01)

CPC (source: EP US)

F41A 9/16 (2013.01 - EP US); **F41A 9/42** (2013.01 - EP US)

Cited by

CN102564221A; CN102288069A; FR2714157A1; EP0664430A3; EP0538138A1; FR2682749A1; US5335580A; DE102017107442B4; US11015888B2; WO2018184632A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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