

Title (en)

LOADING TRAY FOR A MUZZLE LOADED MORTAR

Publication

EP 0428825 A3 19910911 (DE)

Application

EP 90113015 A 19900707

Priority

DE 3938900 A 19891124

Abstract (en)

[origin: JPH03195896A] PURPOSE: To quickly supply a cannonball by supporting a cannonball supply manipulator in a cardan ring rotatable on an outer periphery of a rocking frame of a gun barrel, and holding a positioner so as to slide and turn in a bearing assembly mounted on a vehicle. CONSTITUTION: A bullet supply manipulator 10 includes a bullet supply rockable arm 20 supported in a cardan ring 34 rotatable on an outer periphery of a rockable frame 30 in front of a trunnion shaft 14. For turning the bullet supply manipulator 10 there is disposed a joint 19 aligned on a coaxis 18 and facing each other putting the cardan ring therebetween. The joint 19 simultaneously supports a positioner 38 for determining a position relation between the bullet supply manipulator 10 and a bullet supply hatch 62 provided on a roof 42 of a vehicle. The positioner 38 includes a final end shaft 48 for axial movement and turning motion, and the final end shaft 48 is held in a bearing 44 at the end located far away from the cardan ring 34.

IPC 1-7

F41A 9/16

IPC 8 full level

F41A 9/04 (2006.01); **F41A 9/16** (2006.01); **F41A 9/56** (2006.01); **F41A 23/34** (2006.01); **F41F 1/00** (2006.01); **F41F 1/06** (2006.01); **F41F 1/10** (2006.01)

CPC (source: EP US)

F41A 9/16 (2013.01 - EP US)

Citation (search report)

- [A] EP 0066192 A2 19821208 - RHEINMETALL GMBH [DE]
- [A] DE 728266 C 19421124 - VORMALS SKODAWERKE AG, et al
- [A] EP 0066161 A2 19821208 - RHEINMETALL GMBH [DE]
- [A] US 2598766 A 19520603 - DIXON PAUL H

Cited by

FR3090085A1

Designated contracting state (EPC)

CH DE FR IT LI

DOCDB simple family (publication)

EP 0428825 A2 19910529; **EP 0428825 A3 19910911**; **EP 0428825 B1 19920826**; DE 3938900 A1 19910529; DE 59000275 D1 19921001; JP H03195896 A 19910827; JP H0772679 B2 19950802; US 5050479 A 19910924

DOCDB simple family (application)

EP 90113015 A 19900707; DE 3938900 A 19891124; DE 59000275 T 19900707; JP 31566390 A 19901122; US 57428190 A 19900829