

Title (en)

GUN HAVING A WEDGE-TYPE BREECH LOCKING MECHANISM

Title (de)

ROHRWAFFE MIT VERSCHLUSSKEILSCHLIESSMECHANISMUS

Title (fr)

ARME À CANON AVEC MÉCANISME DE FERMETURE À COIN DE CULASSE

Publication

EP 2561304 B1 20140402 (DE)

Application

EP 11714696 A 20110407

Priority

- DE 102010015570 A 20100419
- EP 2011001719 W 20110407

Abstract (en)

[origin: WO2011131293A1] The invention relates to a tube weapon (1) having a weapon barrel (3) which is mounted in a cradle (2) such that it can be moved from a rest position to a recoil position and has a base piece (4), with the base piece (4) comprising a wedge-type breech lock (5) with a breech block (7) which can be moved transversely with respect to the barrel bore axis (6) of the weapon barrel (3) from a closed position to an open position, and with a control unit (11) being provided for controlling the movement of the wedge-type breech lock (5), which control unit (11) is attached to the cradle (2) and comprises a housing part (13), which is fixed to the cradle and has a switching rod (16) which can be moved axially, can be fixed to the housing part (13) and acts on a piston rod (8), which is connected to an opener lever (9) of the wedge-type breech lock (5), in order to open the breech block (7). In order to obtain a control unit (11) whose design is as compact as possible, the invention proposes that spherical latching elements (19) be used to fix the switching rod (16) to the housing part (13) which is fixed to the cradle, which latching elements (19) are mounted such that they can be moved radially in holes (20) in the housing part (13) and, in order to fix the switching rod (16), engage in an interlocking manner in an annular latching groove (25) in the switching rod (16), and are held by means of a control sleeve (21) which is arranged such that it can move axially along the housing part (13) which is fixed to the cradle. The radial fixing of the latching elements (19) is cancelled again by an axial movement of the control sleeve (21) by means of a control element (10) which is in the form of a rod and is connected to the base piece (4), such that said latching elements (19) can slide outwards, and release the switching rod (16).

IPC 8 full level

F41A 3/10 (2006.01); **F41A 25/12** (2006.01)

CPC (source: EP)

F41A 3/10 (2013.01); **F41A 25/12** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102010015570 B3 20110601; EP 2561304 A1 20130227; EP 2561304 B1 20140402; WO 2011131293 A1 20111027

DOCDB simple family (application)

DE 102010015570 A 20100419; EP 11714696 A 20110407; EP 2011001719 W 20110407