

Title (en)

FIRING APPARATUS WITH ADJUSTABLE PRESSURE DIFFERENCE IN THE FIRING BARREL FOR ROCKET ARTILLERY OR RIFLES

Title (de)

SCHIESSGERÄT MIT EINSTELLBARER DRUCKDIFFERENZ IM ABSCHUSSROHR FÜR RAKETENWAFFEN ODER GEWEHRE

Title (fr)

APPAREIL DE MISE À FEU COMPORTANT UNE DIFFÉRENCE DE PRESSION RÉGLABLE DANS LE TUBE DE LANCEMENT POUR DES LANCE-ROQUETTES OU DES FUSILS

Publication

EP 3155346 B1 20190828 (DE)

Application

EP 15727992 A 20150611

Priority

- DE 102014008415 A 20140613
- DE 102014017029 A 20141119
- EP 2015063003 W 20150611

Abstract (en)

[origin: WO2015189305A1] The invention relates to a firing apparatus for firing cartridges (1), in particular rifle cartridges, comprising an ammunition magazine (2) for receiving the cartridges (1) and a firing barrel (5) in front of the ammunition magazine (2) in the firing direction. In order to allow the pressure difference in the firing barrel (5) to be easily adapted to the requirements both in the high-pressure region, i.e. in front of the ammunition magazine (2), as well as in the low-pressure region, i.e. in front of the high-pressure region in the firing direction, the invention is characterized by a high-pressure chamber (3), which surrounds the rear end of the firing barrel (5) when seen in the firing direction; a low-pressure chamber (4) which is arranged in front of the high-pressure chamber (3) when seen in the firing direction and which surrounds the firing barrel (5); high-pressure bores (5a) in the firing barrel (5) in the region of the high-pressure chamber (3), said bores connecting the interior of the firing barrel (5) to the high-pressure chamber (3); and rear and front low-pressure bores (5b), when seen in the firing direction, in the firing barrel (5) in the region of the low-pressure chamber (4), said bores connecting the interior of the firing barrel (5) to the low-pressure chamber (4). The firing apparatus also comprises a blow-out channel (6) which connects the high-pressure chamber (3) to the atmosphere and is equipped with an adjustable valve (7).

IPC 8 full level

F41A 1/06 (2006.01); **F41A 13/06** (2006.01); **F41A 21/28** (2006.01)

CPC (source: EP)

F41A 1/06 (2013.01); **F41A 21/28** (2013.01); **F41A 13/06** (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)

WO 2015189305 A1 20151217; BR 112016029039 A2 20170822; EP 3155346 A1 20170419; EP 3155346 B1 20190828; ES 2759538 T3 20200511; PL 3155346 T3 20200228; SG 11201610322X A 20170127

DOCDB simple family (application)

EP 2015063003 W 20150611; BR 112016029039 A 20150611; EP 15727992 A 20150611; ES 15727992 T 20150611; PL 15727992 T 20150611; SG 11201610322X A 20150611