

Title (en)
SILENCER DEVICE FOR FIREARM

Title (de)
SCHALLDÄMPFERVORRICHTUNG FÜR FEUERWAFFE

Title (fr)
DISPOSITIF NEUTRALISATEUR DE SON POUR ARME À FEU

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Application
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Abstract (en)
[origin: WO2018041462A1] The invention relates to a silencer device for a firearm, in particular for a rifle or another long or short firearm, and to a silencing method, said device comprising: a flap mechanism (10) comprising at least one closing flap (10) mounted transversely to the axis on the barrel (42) of the firearm in order to temporarily seal the barrel after ammunition has passed through and to prevent the passage of the combustion gases and the sound wave towards the mouth of the barrel when a shot is fired; and an actuating unit (31,34,35) comprising a mobile part (31) arranged axially on the barrel of the firearm in order to move a control mechanism (6), where the mobile part (31) axially comprises an inner borehole for allowing ammunition to pass through, the control mechanism (6) includes at least one amplitude lever arm (8) pivotably mounted on a pivot (7) attached to the barrel, and each amplitude lever arm (8) is respectively coupled to a closing flap (10), the mobile actuating unit (31,34,35) cooperating with the control mechanism (6) to allow a transverse movement of said at least one closing flap (10) between an open position in which the flap mechanism (10) allows ammunition to pass towards the mouth of the barrel (42) and a closed position preventing the passage of the combustion gases and the sound wave after the ammunition has passed through; and an exhaust unit (11, 21-27) including at least one exhaust pipe (11, 21) arranged on the barrel upstream from the closing flap mechanism (10) in order to redirect the combustion gases and the sound wave and allow them to leave the barrel.

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