

Title (en)

Fume evacuator for gun barrels.

Title (de)

Rauchabsauger für Waffenrohre.

Title (fr)

Dispositif pour évacuer des gaz d'un canon.

Publication

EP 0457174 B1 19940309 (DE)

Application

EP 91107459 A 19910508

Priority

DE 4015822 A 19900517

Abstract (en)

[origin: CA2042205A1] In order to reduce the concentration of propellant gases in the combat compartment, behind a weapon barrel, a smoke extractor (8) is arranged in the middle area of the barrel (7). This smoke extractor (8) is connected to the barrel (7) so as to be gas-tight to the outside and is connected to the inside to the bore (5) of the weapon through an oblique blow-off passage (3) and through Y-shaped valve passage (2). The valve passages (2) are closed by a non-return valve (6) in the form of a spring packet made up of stratified leaf springs. This ensures that the smoke extractor is filled with propellant gases and also ensures very rapid closure of the non-return valve, which is decisive for achieving the desired long blow-off time for the gases through the blow off passage (3).

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