

Title (en)

MECHANISM FOR COOLING THE INTERIOR OF A GUN BARREL

Publication

**EP 0313856 B1 19920226 (DE)**

Application

**EP 88116172 A 19880930**

Priority

CH 422287 A 19871028

Abstract (en)

[origin: US4884490A] In order to cool the barrel inner wall of a weapon barrel of a firing weapon at a predetermined location, typically at the rear end region of the weapon barrel, one or more cooling fluid channels are arranged at the barrel wall of the weapon barrel. The cooling fluid channels open at the barrel inner wall. By means of an apparatus which can be actuated by the gas pressure of the propellant gases, there is injected into the interior of the weapon barrel a dosed quantity of cooling fluid after the firing of each cartridge or ammunition round. This apparatus preferably comprises a piston arrangement having a first piston of larger diameter and which is subjected to the gas pressure of the propellant gases and a second piston of smaller diameter at which impinges the cooling fluid.

IPC 1-7

**F41A 13/04**

IPC 8 full level

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CPC (source: EP US)

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DE4022542A1; EP0973003A1; US6591732B2; US6311602B1

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