

Title (en)

Obturator for caseless ammunition firearm

Title (de)

Abdichtung einer Feuerwaffe für hülsenlose Munition

Title (fr)

Dispositif d'étanchéité pour arme à feu à munition sans douille

Publication

EP 0717253 B1 19990825 (FR)

Application

EP 95402532 A 19951113

Priority

FR 9414911 A 19941212

Abstract (en)

[origin: EP0717253A1] The seal, fitted between the barrel and breech block chamber, comprises a seal element (11) with a ring (12) which has one end face forming an axial seal (13) fitting against the rear face of the barrel, and a radial seal lip (14) at the other end which fits against the inner wall of the breech block chamber. The seal also has a cooling section (15) which limits the temperature rise in the ring (12) in contact with the combustion gases; it is fitted so that it floats between the barrel and the breech block, being able to move axially under the pressure of the combustion gases. The seal is made from an elastically deformable material with high thermo-mechanical properties, e.g. of spring steel.

IPC 1-7

F41A 3/74

IPC 8 full level

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CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

AT DE

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EP 0717253 A1 19960619; EP 0717253 B1 19990825; AT E183820 T1 19990915; DE 69511667 D1 19990930; DE 69511667 T2 19991216; FR 2728064 A1 19960614; FR 2728064 B1 19970221; US 5777256 A 19980707

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EP 95402532 A 19951113; AT 95402532 T 19951113; DE 69511667 T 19951113; FR 9414911 A 19941212; US 84875297 A 19970501