

Title (en)

Tube breech block sealing system for guns.

Title (de)

Abdichtung zwischen Rohr und Verschluss an Kanonen.

Title (fr)

Système d'étanchéité tube-culasse pour canon.

Publication

**EP 0251902 A1 19880107 (FR)**

Application

**EP 87401459 A 19870625**

Priority

FR 8609172 A 19860625

Abstract (en)

1. A sealing system disposed between the breech (4) and the combustion chamber (2) of a weapon (1), the breech moving perpendicularly to the axis (7) of the combustion chamber so as to be positioned in front of an opening in the latter at the location of the rear face (3) of the weapon, a system consisting of an elastically deformable ring (6) having a cylindrical side surface (13) enabling it to fit into a housing (4) in the combustion chamber (2) and a front sealing surface (12) brought into contact with a portion of the breech (4) by elastic means, characterized in that the ring (6) comprises, in its side surface (13), two protrusions (9) symmetrical with each other as to the ring axis (24), associated with two cams (8) integral with the breech, which apply axially the ring in its housing (14) outwardly from the breech during a part of the breech locking motion.

Abstract (fr)

Le secteur technique de l'invention est celui de l'étanchéité entre culasse et tube pour armes de gros calibre. Un anneau d'étanchéité 6 est plaqué au cours de la fermeture sur une plaque de tir 5 au moyen de lames-ressort 10 et positionné par un jeu de cames 8 solidaires du coin de culasse 4. L'effort presseur contrôlé permet d'assurer un auto-nettoyage de la plaque de tir pendant le cycle. Le jeu de cames assure une bonne mise en place de l'anneau d'étanchéité et évite son arc-boutement. Application au domaine de l'armement.

IPC 1-7

**F41D 11/30**; **F41F 11/02**; **F41F 11/04**

IPC 8 full level

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CPC (source: EP)

**F41A 3/10** (2013.01); **F41A 3/74** (2013.01)

Citation (search report)

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