

Title (en)

FIN-STABILIZED FULL-CALIBRE PRACTICE PROJECTILE

Title (de)

LEITWERKSTABILISIERTES VOLLKALIBER-ÜBUNGSGESCHOSS

Title (fr)

PROJECTILE D'EXERCICE DE GROS CALIBRE À EMPENNAGE STABILISÉ

Publication

**EP 2828609 A1 20150128 (DE)**

Application

**EP 13709382 A 20130305**

Priority

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- EP 2013054436 W 20130305

Abstract (en)

[origin: WO2013139595A1] In order to ensure the firing strength of a full-calibre practice projectile (1), which has a solid head part (3) and a tubular fin body (5) adjoining the head part (3) at the rear, in a cost-effective manner, the invention proposes that the fin body (5) is designed in such a way that the propellant gases caused by the firing of the practice projectile (1) act also on the outer side (6) of the side wall (7) of the tubular fin body (5). In order to prevent the propellant gases from flowing past the practice projectile (1) on the outside within the weapon barrel, a sealing system (10) is provided in the area of the solid head part (3) of the practice projectile (1), said sealing system comprising a sealing ring (11) that is acted upon by a wedge ring (12). Both the axially displaceable wedge ring (12) and the sealing ring (11) are arranged in an annular groove (13) provided in the rear section of the head part (3). The sealing ring (11), which is arranged upstream of the wedge ring (12) in the direction of firing of the practice projectile (1), comprises a rear conical inner cavity (14), into which the front area of the wedge ring (12) engages in a force- and form-fitting manner such that, during an axial application of pressure onto the wedge ring (12), said wedge ring is axially displaced and presses the outer side wall region (15) of the conical inner cavity (14) of the sealing ring (11), which acts as a sealing lip, radially against the inner wall of the weapon barrel.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2013139595A1

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