

Title (en)

Subcalibre projectile, rod and sabot constituting such a projectile

Title (de)

Unterkalibergeschoss, Penetrator und Treibspiegel für ein solches Geschoss

Title (fr)

Projectile sous-calibré, barreau et sabot constituant un tel projectile

Publication

EP 1475601 B1 20080611 (FR)

Application

EP 04291035 A 20040421

Priority

FR 0305659 A 20030509

Abstract (en)

[origin: EP1475601A1] Projectile comprises a segmented bar and a shoe having engaging projections that enable the bar to be propelled axially by the shoe when the projectile is launched. There is an axial clearance between the projections, to allow a limited relative axial displacement of the shoe relative to the bar, while shaped surfaces on the teeth ensure a radial lock between the shoe and bar when the shoe is in its most advanced position, but not when recoiled. The projectile comprises a bar (2) and a shoe (3), typically of aluminum, in a number of segments having engaging tooth-shaped surface projections (D2, D3) that enable the bar to be propelled axially by the shoe when the projectile is launched. There is an axial clearance (J) between the bar and shoe projections, to allow a limited relative axial displacement of the shoe in relation to the bar, while shaped surfaces (11, 12) on the teeth ensure a radial lock between the shoe and bar when the shoe is in its most advanced position, but not when the shoe is recoiled. The projections can be annular or spiral, with conical locking surfaces.

IPC 8 full level

F42B 14/06 (2006.01)

CPC (source: EP US)

F42B 14/061 (2013.01 - EP US); **F42B 14/062** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 1475601 A1 20041110; **EP 1475601 B1 20080611**; DE 602004014314 D1 20080724; FR 2854687 A1 20041112; FR 2854687 B1 20060616; IL 161870 A0 20051120; IL 161870 A 20081126; US 2005011397 A1 20050120; US 7197984 B2 20070403

DOCDB simple family (application)

EP 04291035 A 20040421; DE 602004014314 T 20040421; FR 0305659 A 20030509; IL 16187004 A 20040506; US 83820904 A 20040505