

Title (en)
Sabot for a finstabilized projectile

Title (de)
Treibspiegel an einem fluegelstabilisierten Unterkalibergeschoss

Title (fr)
Sabot pour projectile à stabilisation par ailettes

Publication
EP 0624774 B1 19980610 (DE)

Application
EP 94104252 A 19940318

Priority
CH 145393 A 19930513

Abstract (en)
[origin: EP0624774A1] In the case of such a sub-caliber projectile, a so-called discarding sabot (10) is located between the barrel inner wall of the gun and the arrow-shaped projectile body (11) during firing. This discarding sabot (10), which is used in a known manner in order to enlarge the acceleration area, is composed of a discarding sabot body (16) and a discarding sabot casing (17). In order that the discarding sabot (10) can easily be released from the arrow-shaped projectile body (11) after the projectile (10, 11) emerges from the weapon barrel, the discarding sabot body (16) is segmented. The touching surfaces between the segments (23, 24, 25) on the one hand and between the arrow-shaped projectile body (11) and the segments (23, 24, 25) on the other hand lead to sealing problems. In order to overcome these sealing problems, special segmentation of the discarding sabot body (16) is provided, according to the invention, with longitudinal slots (22), which have a T-shaped cross-section at least in parts, and weak points (26) in the region of its internal diameter as well as a gas-tight seal with a sealing cap (41), which is partially in the form of a truncated cone and expands forwards, are provided with a terminating seal (42). <IMAGE>

IPC 1-7
F42B 14/06

IPC 8 full level
F42B 14/06 (2006.01)

CPC (source: EP US)
F42B 14/061 (2013.01 - EP US); **F42B 14/067** (2013.01 - EP US)

Cited by
EP0999426A1; US5763809A; EP0855573A1; SG79946A1; EP0989381A2; WO2007057115A1; US6324986B1

Designated contracting state (EPC)
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0624774 A1 19941117; EP 0624774 B1 19980610; CA 2121100 A1 19941114; CA 2121100 C 19980224; DE 59406170 D1 19980716; ES 2118279 T3 19980916; JP 3429058 B2 20030722; JP H0755400 A 19950303; NO 302440 B1 19980302; NO 941623 D0 19940503; NO 941623 L 19941114; US 5388523 A 19950214

DOCDB simple family (application)
EP 94104252 A 19940318; CA 2121100 A 19940412; DE 59406170 T 19940318; ES 94104252 T 19940318; JP 9871994 A 19940512; NO 941623 A 19940503; US 22838594 A 19940415