

Title (en)  
SMALL WEIGHT SABOT FOR A HIGH-VELOCITY SUBCALIBRE PROJECTILE

Publication  
**EP 0265369 B1 19910911 (DE)**

Application  
**EP 87710017 A 19871020**

Priority  
DE 3635738 A 19861021

Abstract (en)  
[origin: US4850280A] A propelling cage sabot is provided with longitudinal slits and its front region is provided with centering holding elements which are oriented inwardly toward the projectile while its rear region has a centering face associated with the projectile. A rear opening in the propelling cage sabot is provided with an internal thread to accommodate a screw-in element which at its front serves as a seat for a tail surface of the projectile. Compressible band-shaped elements disposed around the circumferential region of the propelling cage sabot may be provided. Conical surfaces of the propelling cage sabot facilitate insertion of the arrangement at a cadence customary in automatic equipment, with any possibly occurring insertion shock not resulting in relative axial movement of the projectile with respect to the propelling cage sabot due to a frontal holding region and the centering surface. Under the influence of the air streaming in from the front, the parts of the propelling cage sabot formed by the above-mentioned longitudinal slits and held together in the frontal region by the band-shaped element are pivoted away from the projectile and tear apart the band-shaped element, thereby releasing the projectile from the propelling cage for further unimpeded flight.

IPC 1-7  
**F42B 14/06**

IPC 8 full level  
**F42B 14/06** (2006.01)

CPC (source: EP US)  
**F42B 14/064** (2013.01 - EP US)

Cited by  
WO2009156033A1; CN113865439A; EP0417012A1; FR2651570A1; FR2709820A1; US5477786A; WO2009156031A1

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