

Title (en)

Projectile with extendable wing surfaces

Title (de)

Geschoss mit vom Geschoss-Rumpf wegklappbaren Flügeln

Title (fr)

Projectile muni d'ailettes déployables

Publication

EP 1564521 B1 20060927 (DE)

Application

EP 05002218 A 20050203

Priority

DE 102004007311 A 20040214

Abstract (en)

[origin: EP1564521A1] A sub-caliber projectile (10) has folding fins (14), which swing out from the projectile body (12). Each fin has a leading member (16) with an aerodynamic shape, a holding cable (24) forming the rear member (22), and a covering (40) with two layers (42, 44) is between the leading member and the cable. A sub-caliber projectile (10) has folding fins (14), which swing out from the projectile body (12). Each fin has a leading member (16) with an aerodynamic shape, a holding cable (24) forming the rear member (22), and a covering (40) with two layers (42, 44) is between the leading member and the cable. One end (26) of the cable is secured to the outer end (28) of the leading member, flush with it in the direction of the leading member, so that the clamped cable applies only pressure forces without any bending on the leading member within a small profile depth. The other end (30) of the cable is fastened by a clamp (32) at the projectile body so that, when the fin is extended, the covering is durably tensed between the opened leading member and the cable forming the rear member.

IPC 8 full level

F42B 10/14 (2006.01)

CPC (source: EP)

F42B 10/146 (2013.01)

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1564521 A1 20050817; EP 1564521 B1 20060927; DE 102004007311 A1 20050901; DE 502005000114 D1 20061109

DOCDB simple family (application)

EP 05002218 A 20050203; DE 102004007311 A 20040214; DE 502005000114 T 20050203